STR-DE245/DE345

SERVICE MANUAL

Ver 1.0 2000. 02

AEP Model
UK Model
E Model
Australian Model
STR-DE245/DE345
US Model
Canadian Model
Chinese Model
PX Model
STR-DE345

Photo: STR-DE345

Manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" the double-D symbol ◻◻ "AC-3" and "Pro Logic" are trademarks of Dolby Laboratories Licensing Corporation.

SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 8-ohm load, both channels driven, from 20 – 20,000 Hz rated 100 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

Rated Power Output at Stereo Mode	(8 Ω at 20 Hz – 20 kHz, THD 0.09 %) 100W + 100W
Reference Power Output	(8Ω at 1 kHz, THD 0.7%) Front: 100 W + 100 W Center: 100 W Rear: 100 W + 100 W
Frequency response	TV/SAT, CD, MD/TAPE, VIDEO, 5.1CH/DVD 10 – 50 kHz $^{+0.5}_{-2.0}$ dB

Inputs

	Sensitivity	Impedance	S/N
CD, 5.1CH/DVD, MD/TAPE, TV/SAT, VIDEO	150 mV	50 kilohms	85 dB

Outputs	MD/TAPE REC OUT: Voltage: 150 mV, Impedance: 10 kilohms VIDEO AUDIO OUT: Voltage: 150 mV, Impedance: 10 kilohms SUB WOOFER: Voltage: 2 V Impedance: 1 kilohms PHONES: Accepts low and high impedance headphones
Muting	Full mute
BASS BOOST	+6 dB at 70 Hz
TONE	±6 dB at 100 Hz and 10 kHz

Tuner section

FM Stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna terminals	75 Ω, unbalanced
Intermediate frequency	10.7 MHz
Sensitivity	Mono: 18.3 dBf, 4.5 µV Stereo: 38.3 dBf, 45 µV
Usable sensitivity	11.2 dBf, 2 µV (IHF)
S/N	Mono: 76 dB Stereo: 70 dB
Harmonic distortion at 1 kHz	Mono: 0.3 % Stereo: 0.5 %
Separation	45 dB at 1 kHz
Frequency response	30 Hz –15 kHz $^{+0.5}_{-2.0}$dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	10 kHz interval* 530 – 1,710 kHz 9 kHz interval 531 – 1,710 kHz
Antenna	Loop antenna
Intermediate frequency	450 kHz
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5 % (50 mV/m, 400 Hz)
Selectivity	At 10 kHz: 40 dB At 9 kHz: 35 dB

* You can change the AM tuning interval between 9 kHz and 10 kHz. Turn off the receiver and press the I/⏻ (power) for more than 4 seconds until "INITIAL" appears.
1) After turning in any AM station, turn off the receiver.
2) Hold down PRESET TUNING + button and press the I/⏻ (power) button .
"9 k STEP" appears.

To change to 10 k Step, repeat step 1 and 2 until "10 k STEP" appears. Note that all preset stations, index names and sound field are cleared after you make the procedure above.

— Continued on next page —

FM STEREO FM-AM RECEIVER

SONY®

VIDEO section

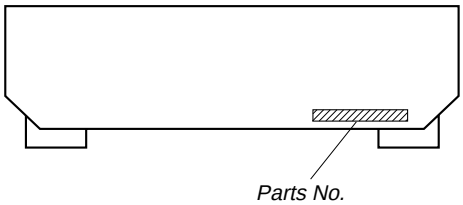
Inputs	VIDEO, TV/SAT, 5.1CH/DVD: 1 Vp-p 75 Ω
Outputs	VIDEO, MONITOR: 1 Vp-p 75 Ω

General

System	Tuner section: PLL quartz-locked digital synthesizer system Preamplifier section: Low-noise NF type equalizer Power amplifier section: Pure-complementary SEPP
Power requirements	120 V AC, 60 Hz
Power consumption	235 W
Dimensions	17 × 5 6/8 × 12 inches) (430 × 145 × 304 mm)
Mass (Aporox.)	7.3 kg (16 lb 2 oz)
Supplid accessories	FM wire antenna (1) AM loop antenna (1) Remote commander (remote) (1) Size AA (R6) batteries (2) Operating Instructions of the remote RM-PP404

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PARTS No.
DE345: US model	4-226-462-0☐
DE345: Canadian model	4-226-462-1☐
DE345: Australian model	4-226-462-2☐
DE345: Singapore, Malaysia model	4-226-462-3☐
DE345: Chinese model	4-226-462-4☐
DE345: E, Saudi Arabia, PX model	4-226-462-5☐
DE345: AEP model	4-226-462-6☐
DE345: Russian, East European model	4-226-462-7☐
DE345: Mexican model	4-226-462-8☐
DE345: Argentine model	4-226-462-9☐
DE245: Australian model	4-226-468-2☐
DE245: Singapore, Malaysia model	4-226-468-3☐
DE245: E, Saudi Arabia model	4-226-468-4☐
DE245: AEP, UK model	4-226-468-5☐
DE245: Mexican, Russian, East European model	4-226-468-6☐

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

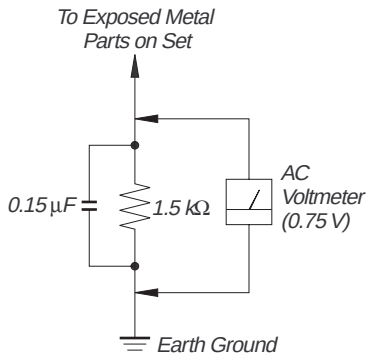


Fig. A. Using an AC voltmeter to check AC leakage.

TABLE OF CONTENTS

1. GENERAL ·····

2. TEST MODE ·····

3. DIAGRAMS

3-1. Block Diagram ·····
3-2. IC Block Diagrams ·····
3-3. IC Pin Function Description ····· 8
3-4. Circuit Boards Location ·····
3-5. Printed Wiring Board Main Section ····· 10
3-6. Schematic Diagram Main Section (1/3) ····· 11
3-7. Schematic Diagram Main Section (2/3) ····· 12
3-8. Schematic Diagram Main Section (3/3) ····· 13
3-9. Printed Wiring Board Panel Section ····· 14
3-10. Schematic Diagram Panel Section ····· 15
3-11. Printed Wiring Board Power Section ····· 16
3-12. Schematic Diagram Power Section ····· 17
3-13. Printed Wiring Board Video Section ····· 18
3-14. Schematic Diagram Video Section ····· 18

4. EXPLODED VIEWS

4-1. Front Panel Section ·····
4-2. Chassis Section ·····

5. ELECTRICAL PARTS LIST ····· 21

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

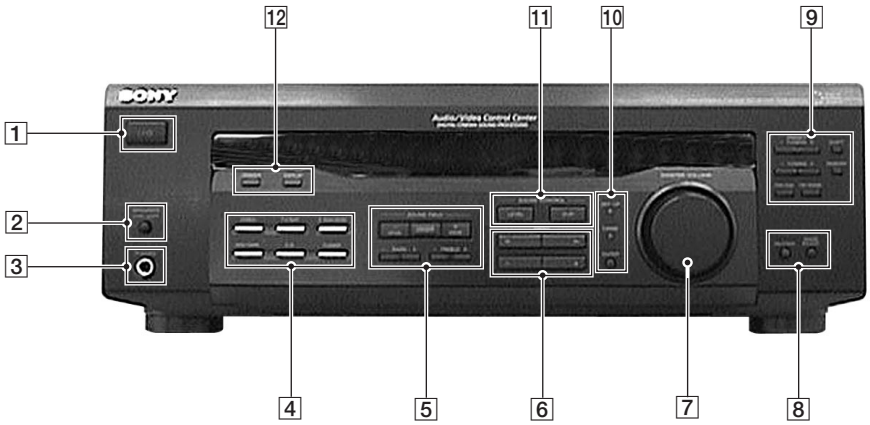
与安全有关的零部件须知

在原理图上用阴影及 ⚠ 标记来识别的零部件在安全操作上是具有关键性的。这些零部件要用本手册中所示的部件号对应的索尼零部件进行更换。

在安全操作上具有关键性的电路调整与索尼公司出版的维修手册完全一致。在更换关键零部件时或怀疑动作失常时，请进行这些调整操作。

SECTION 1
GENERAL

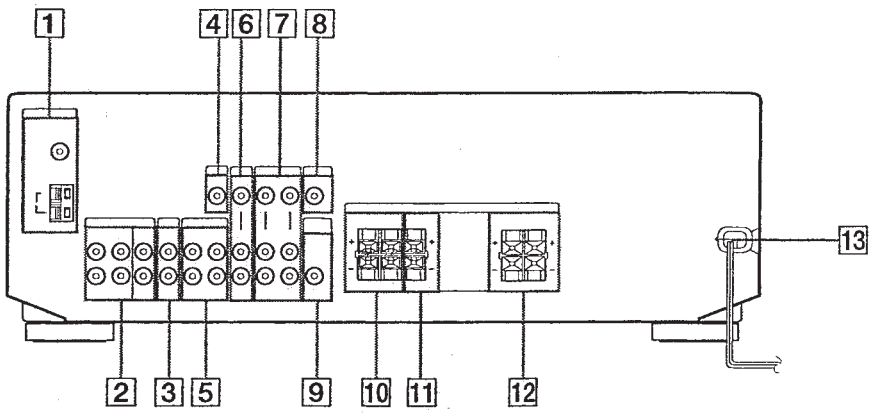
Front Panel



1 I/⏻ (POWER) button
2 SPEAKERS ON/OFF SWITCH button
3 PHONE jack
4 VIDEO button
TV/SAT button
5.1CH/DVD button
MD/TAPE button
CD button
TUNER button
5 SOUND FIELD ON/OFF,
MODE +, – buttons
BASS +, – buttons
TREBLE +, – buttons
6 MENU <, >, +, – buttons
7 MASTER VOLUME control
8 MUTING button
BASS BOOST botton
9 PRESET/PTY SELECT +, – buttons
TUNING +, – buttons
FM/AM button
FM MODE button
SHIFT button
MEMORY button
10 SET UP button
NAME button
ENTER button
11 SOUND CONTROL LEVEL,SUR buttons
12 DIMMER button
DISPLAY button

This section is extracted from instruction manual.

Rear Panel



1 ANTENNA (AM/FM)
2 5.1 CH/DVD
3 CD
4 5.1 CH (VIDEO IN)
5 MD/TAPE
6 TV/SAT
7 VIDEO
8 MONITOR
9 SUB WOOFER
10 SPEAKERS REAR
11 SPEAKERS CENTER
12 SPEAKERS FRONT
13 AC power cord

SECTION 2
TEST MODE

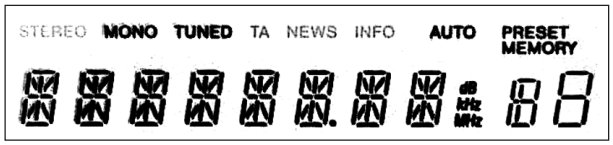
SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the TUNER and the VIDEO buttons simultaneously, press the power [I/⏻] button to turn on the main power. The model name, destination and the software version are displayed.

FLUORESCENT INDICATOR TUBE TEST MODE

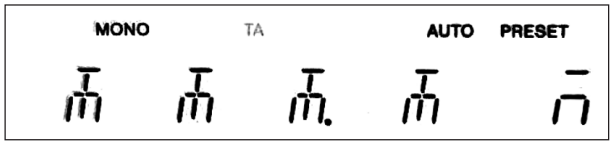
* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
* Procedure:
  While depressing the TV/SAT and the CD buttons simultaneously, press the power [I/⏻] button to turn on the main power.

1. All segments turn on.



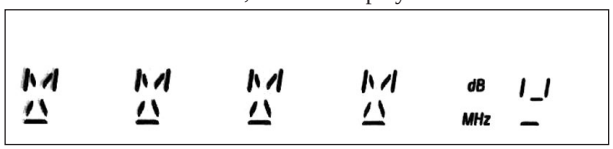
SET UP, SOUND FIELD, BASS BOOST and MUTING LED turn on.

2. Press the VIDEO button, confirm display



BASS BOOST, MUTING, SET UP and NAME LED turn on.

3. Press the VIDEO button, confirm display



SOUND CONTROL LEVEL, SOUND CONTROL SUR and SOUND FIELD LED turn on.

4. Press the VIDEO button, All segments turn off.

5. Every pressing of the VIDEO button turns on each segment one after another in the following order.
   (Not only the VIDEO button, but also the other buttons such as TV/SAT, MD/TAPE, CD, TUNER can be used.)

FACTORY SET MODE

* All preset contents are reset to the default setting.
* Procedure:
  While depressing the VIDEO and the CD buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message FACTORY appears and the present contents are reset to the default values.

ALL CLEAR MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the TUNER and the MD/TAPE buttons simultaneously, press the power [I/⏻] button to turn on the main power. The message INITIAL appears and initialization is performed.

SURROUND CLEAR MODE

* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the SOUND FIELD ON/OFF button, press the power [I/⏻] button to turn on the main power. The message SURR CLR appears and initialization is performed.

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

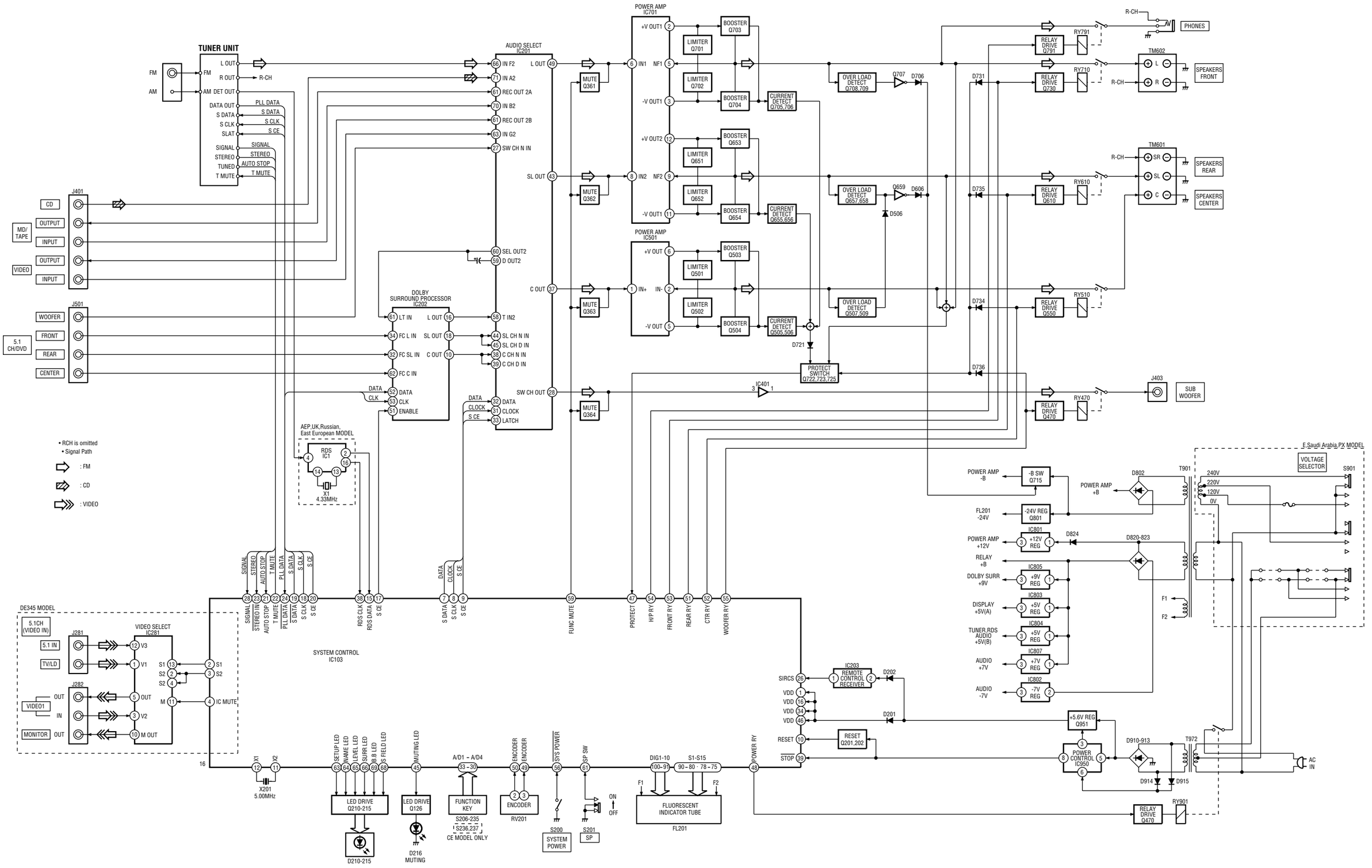
* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
* Procedure:
  Set the FUNCTION to AM. Turn off the main power.
  While depressing the TUNING+ button or the PRESET+ button, press the power [I/⏻] button to turn on the main power. Either the message AM 9 k STEP or AM 10 k STEP appears. Select the desired step.
* For US/Canadian/E model only

KEY CHECK MODE

* Button check
* Procedure:
  While depressing the MD/TAPE and the CD buttons simultaneously, press the power [I/⏻] button to turn on the main power.
  "RES 36 KEY" appears.
  Every pressing of any button other than [I/⏻] and SPEAKERS counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "RES 00 KEY" appears.
  When MASTER VOLUME is rotated in clockwise direction, "VOL MIN", "VOL 1" to "VOL 30", "VOL MAX" appear.

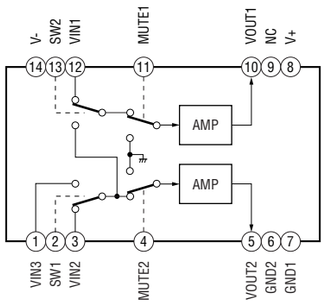
SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM

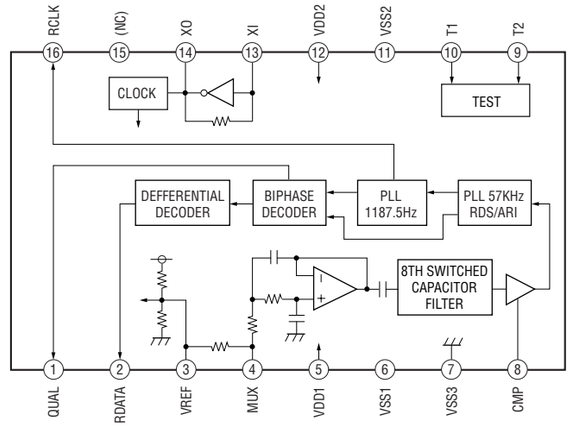


3-2. IC BLOCK DIAGRAMS

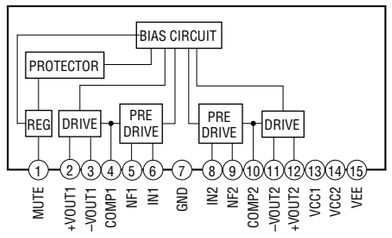
IC281 NJM2279 (VIDEO BOARD)



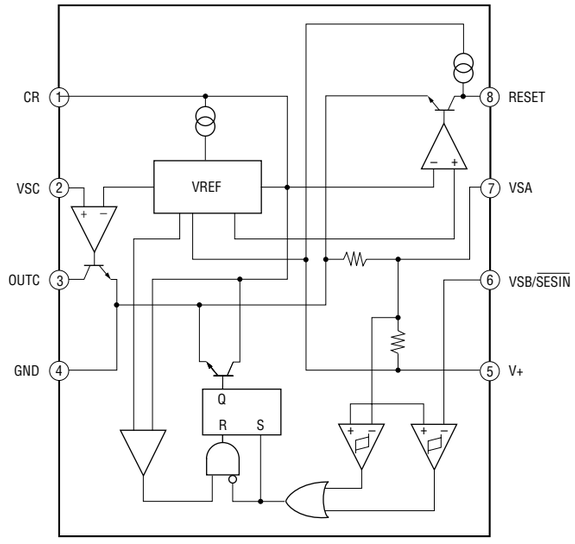
IC1 BU1924 (MAIN BAORD)



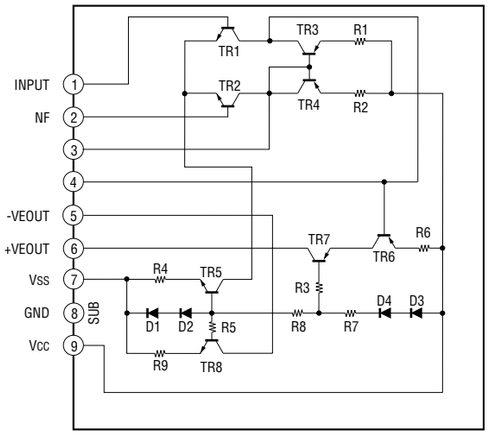
IC701, IC702 uPC2581V (MAIN BOARD)



IC950 NJM2103 (POWER BOARD)



IC501 STK350-230 (MAIN BOARD)



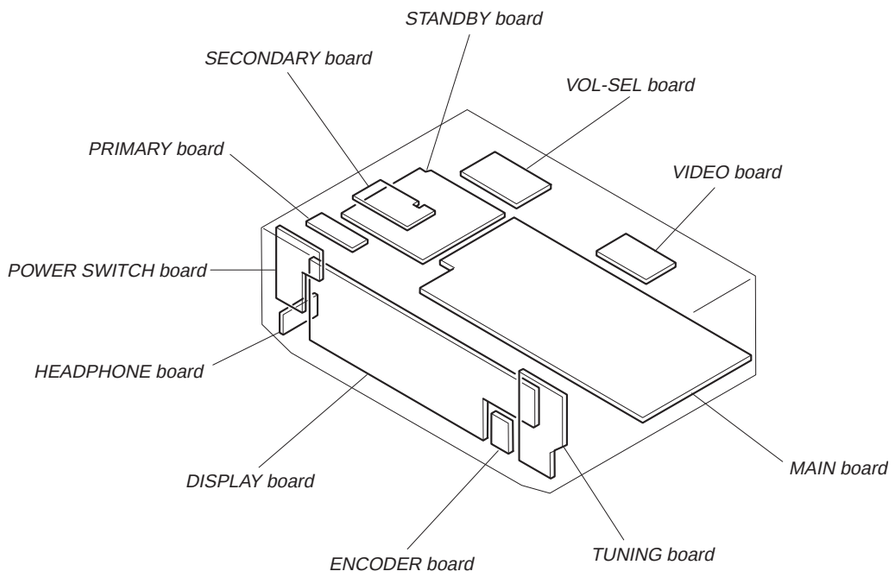
3-3. IC PIN FUNCTION DESCRIPTION

IC103 μPD780205GF (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Description
1	VDD +5V	I	Power supply to μ-com
2	S1	O	Control Video IC switching
3	S2	O	Control Video IC switching
4	IC.MUTE	O	Control mute of Video IC
5	P34	—	
6	P33	—	
7	S.DATA (M61501FP)	O	Volume IC data
8	S.CLK (M61501FP)	O	Volume IC clock
9	S.CE (M61501FP)	O	Volume IC enable
10	$\overline{\text{RESET}}$	I	Read μ-com reset signal
11	X2	—	
12	X1	—	For μ-com clock
13	VSS	—	Programming pow. supply
14	—	—	No use
15	RDS.DATA.IN	I	Read decoded RDS data
16	VDD +5V	—	Power supply to μ-com
17	$\overline{\text{S.CE (LV1050M)}}$	O	Chip enable for ICs
18	$\overline{\text{S.CLK(DOLBY.TUNER)}}$	O	Output clock signal
19	$\overline{\text{S.DATA(DOLBY.TUNER)}}$	O	Output data signal
20	S.CE (TUNER)	O	Chip enable for ICs
21	$\overline{\text{AUTO-STOP}}$	I	Tuner has tuned to a freq.
22	T.MUTE	O	Mute tuner during scanning
23	$\overline{\text{STEREO-IN}}$	I	Tuned freq. has stereo
24	$\overline{\text{PLL.DATA}}$	I	Input tuner freq. data
25	AVSS	—	Analog ground
26	$\overline{\text{SIRCS}}$	I	Read remote comm. signal
27	P16	—	
28	SIGNAL	I	Detect RDS signal level
29	VERSION	I	Read version setting
30	A/D IV	I	Read key push signal
31	A/D III	I	Read key push signal
32	A/D II	I	Read key push signal
33	A/D I	I	Read key push signal
34	AVDD +5.0V	—	Analog Power Supply
35	AVREF	—	Analog reference ground
36	P03	—	
37	P02	—	
38	RDS.CLK.IN	I	Read decoded RDS clock
39	$\overline{\text{STOP}}$	I	Read signal when AC off
40	VSS	—	μ-com ground
41	P74	—	
42	P73	—	
43	P72	—	
44	P71	—	
45	MUTING LED	O	Control mute LED
46	VDD +5.0V	—	Power supply to μ-com
47	$\overline{\text{PROTECT}}$	I	Detect Protector Status
48	POWER-RY	O	Control Power relay
49	ENCODER	I	Read volume encoder changing
50	ENCODER	I	Read volume encoder changing

Pin No.	Pin Name	I/O	Description
51	REAR-RY	O	Control rear relay on/off
52	CTR-RY	O	Control center relay
53	FRONT-RY	O	Control speaker relay
54	H/P-RY	O	Control Headphone relay
55	WOOFER RY	O	Control Woofer relay
56	$\overline{\text{SYS.POWER}}$	I	Detect power switch key
57	P115	—	
58	P114	—	
59	FUNC.MUTE	O	Control muting circuit
60	P112	—	
61	SP SW	I	Read speaker switch comdition
62	P110	—	
63	SET UP LED	O	Control Setup LED
64	NAME LED	O	Control Name LED
65	LEVEL LED	O	Control LEVEL LED
66	SURR LED	O	Control SURR LED
67	P103	—	
68	S.FIELD LED	O	Control SF LED
69	B.B. LED	O	Control Bass Boost LED
70	P100	—	
71 – 74	P97 – P94	—	
75 – 78	S15 – S12	O	Output signal to FL tube
79	VLOAD	I	Negative power supply
80 – 84	S11 – S7	—	
85 – 90	S6 – S1	O	Output signal to FL tube
91 – 100	DIG10 – DIG1	O	Output signal to FL tube

3-4. CIRCUIT BOARDS LOCATION



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this necessary note is printed in each block.)

For schematic diagrams.
Note:

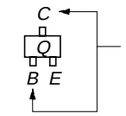
- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	**Note:** Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。	

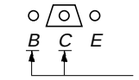
- B+ : B+ Line.
- B− : B− Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD
  : VIDEO
  : PHONO
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.
  SP : Singapore model.
  MY : Malaysia model.
  AR : Argentine model.
  CH : Chinese model.
  MX : Mexican model.
  CIS : Russian model.
  EA : Saudi Arabia model.
  EE : East European model.

For printed wiring boards.
Note:

- : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.

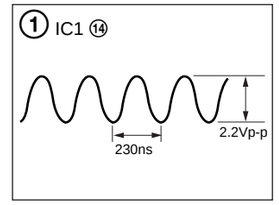


These are omitted.

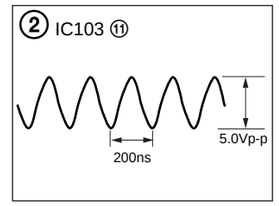


These are omitted.

• Waveform
– MAIN SECTION –

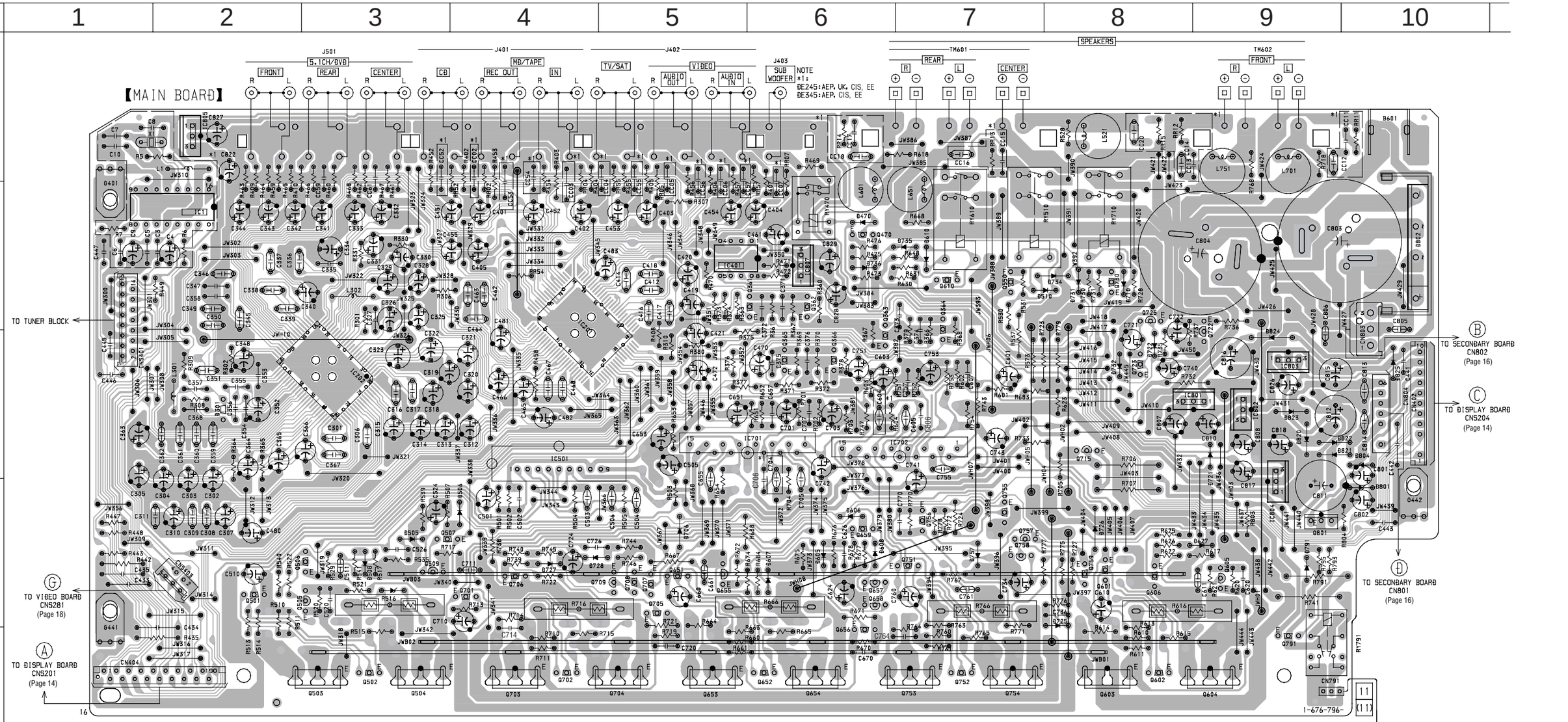


– PANEL SECTION –



3-5. PRINTED WIRING BOARD MAIN SECTION

• Refer to page 9 for Circuit Boards Location.

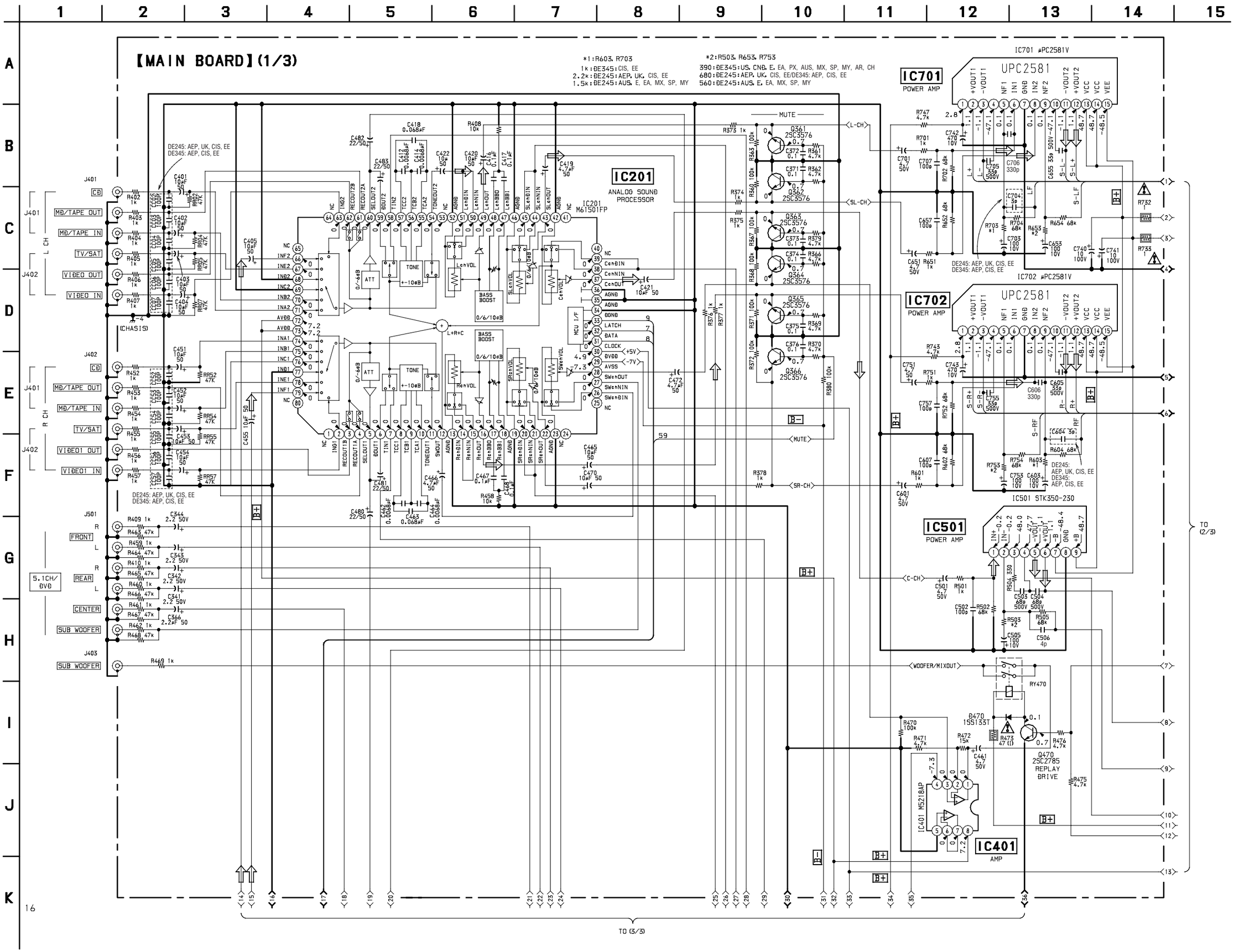


• **Semiconductor Location**

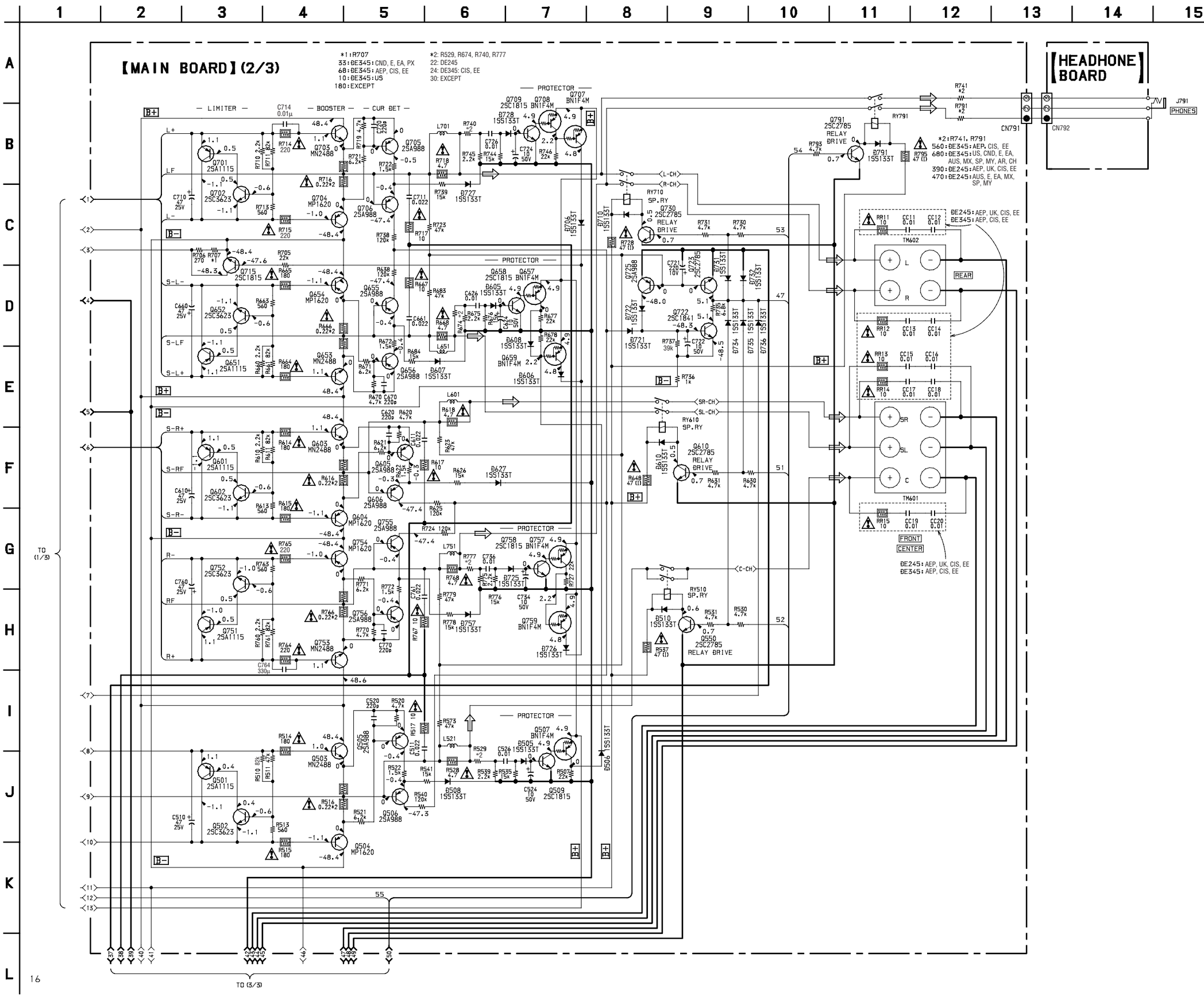
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D470	B-6	D757	D-7	IC807	B-6	Q610	B-7	Q751	D-7	IC3517	J-12	Q3502	H-12
D505	D-3	D791	D-9			Q651	D-5	Q752	E-7	Q3301	G-3	Q3503	H-12
D506	D-4	D801	C-10	Q361	B-5	Q652	E-6	Q753	E-7	Q3302	G-3	Q3504	G-12
D508	D-3	D802	B-10	Q362	B-6	Q653	E-5	Q754	E-7	Q3303	G-4	Q3505	G-12
D510	B-8	D804	C-10	Q363	B-6	Q654	E-6	Q755	D-7	Q3304	G-3	Q3506	G-12
D605	D-6	D820	C-9	Q364	B-7	Q655	D-5	Q756	D-7	Q3305	G-3	Q3511	G-11
D606	C-6	D821	C-10	Q365	C-6	Q656	D-6	Q757	D-7	Q3306	H-3	Q3512	H-11
D607	D-6	D822	C-10	Q366	C-6	Q657	D-6	Q758	D-7	Q3307	G-6	Q3513	G-11
D608	D-6	D823	C-9	Q470	B-6	Q658	D-6	Q759	D-8	Q3308	B-11	Q3514	G-11
D610	B-7	D824	B-9	Q501	D-2	Q659	D-6	Q791	D-9	Q3309	H-5	Q3515	I-11
D627	D-9	D825	B-10	Q502	E-3	Q701	D-4	Q801	D-9	Q3310	D-12	Q3516	I-11
D706	D-5			Q503	E-3	Q702	E-4			Q3311	H-5	Q3517	H-11
D710	B-8	IC1	B-2	Q504	E-3	Q703	E-4	IC3505	G-11	Q3312	D-12	Q3518	H-11
D721	C-9	IC201	B-4	Q505	D-2	Q704	E-5	IC3506	I-10	Q3313	H-5	Q3519	J-11
D722	B-8	IC202	C-3	Q506	D-2	Q705	D-5	IC3507	I-11	Q3314	D-12	Q3520	J-11
D725	D-8	IC401	B-5	Q507	D-3	Q706	D-4	IC3508	H-10	Q3315	G-5	Q3521	J-11
D726	D-8	IC501	C-4	Q509	D-3	Q707	D-5	IC3509	H-11	Q3401	G-8	Q3522	J-11
D727	D-4	IC701	C-6	Q550	B-7	Q708	D-5	IC3510	J-10	Q3402	H-8		
D728	D-4	IC702	C-7	Q601	D-8	Q709	D-5	IC3511	J-11	Q3403	H-7		
D731	B-8	IC801	C-8	Q602	E-8	Q715	C-8	IC3512	J-10	Q3404	H-7		
D732	B-8	IC802	C-9	Q603	E-8	Q722	B-9	IC3513	J-11	Q3405	H-7		
D734	B-8	IC803	C-9	Q604	E-9	Q723	C-8	IC3514	I-11	Q3406	G-6		
D735	B-7	IC804	C-9	Q605	D-9	Q725	B-8	IC3515	J-11	Q3407	D-4		
D736	B-6	IC805	A-2	Q606	D-8	Q730	B-8	IC3516	I-12	Q3501	H-12		

3-6. SCHEMATIC DIAGRAM MAIN SECTION (1/3)

• Refer to page 8 for IC Block Diagrams.

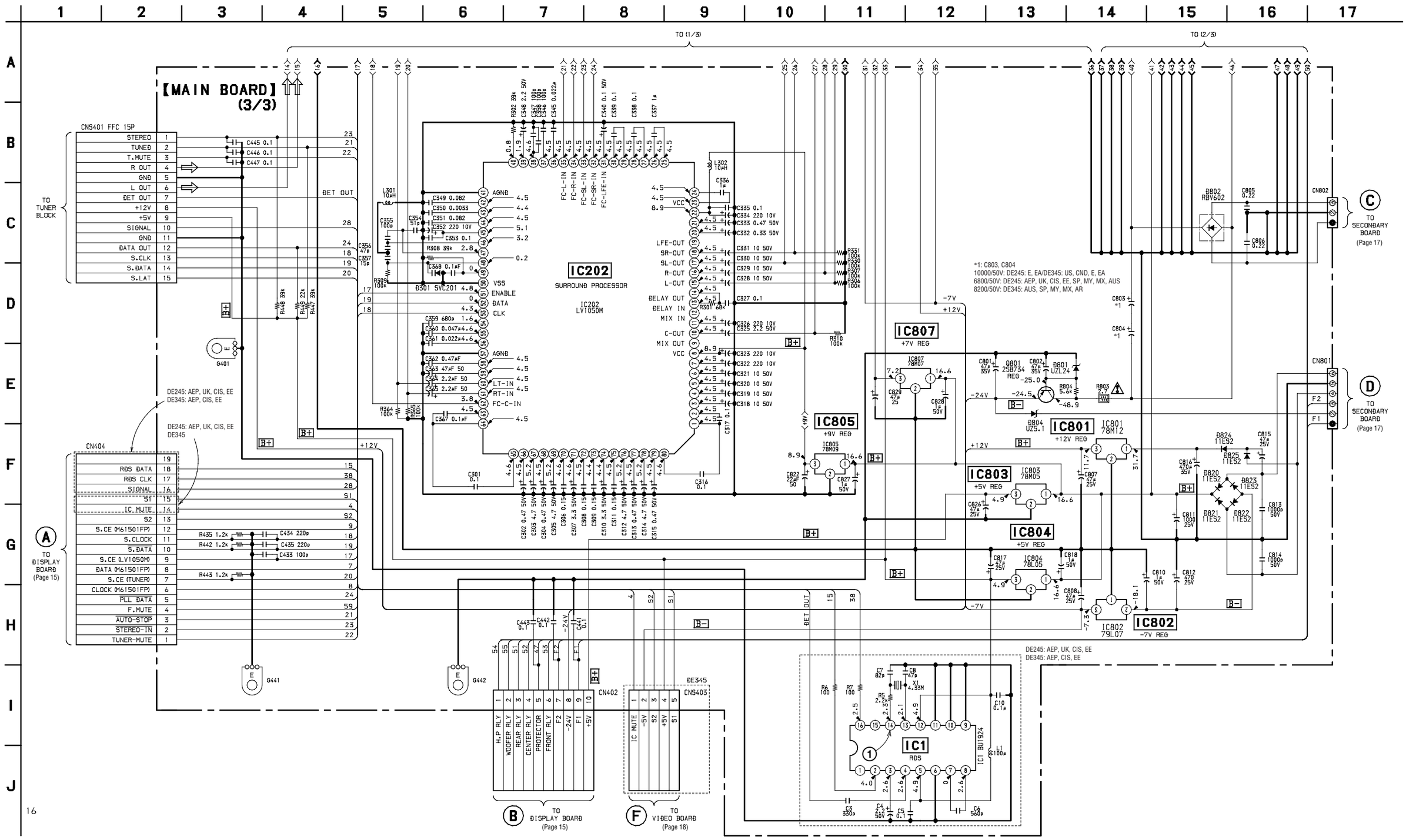


3-7. SCHEMATIC DIAGRAM MAIN SECTION (2/3)



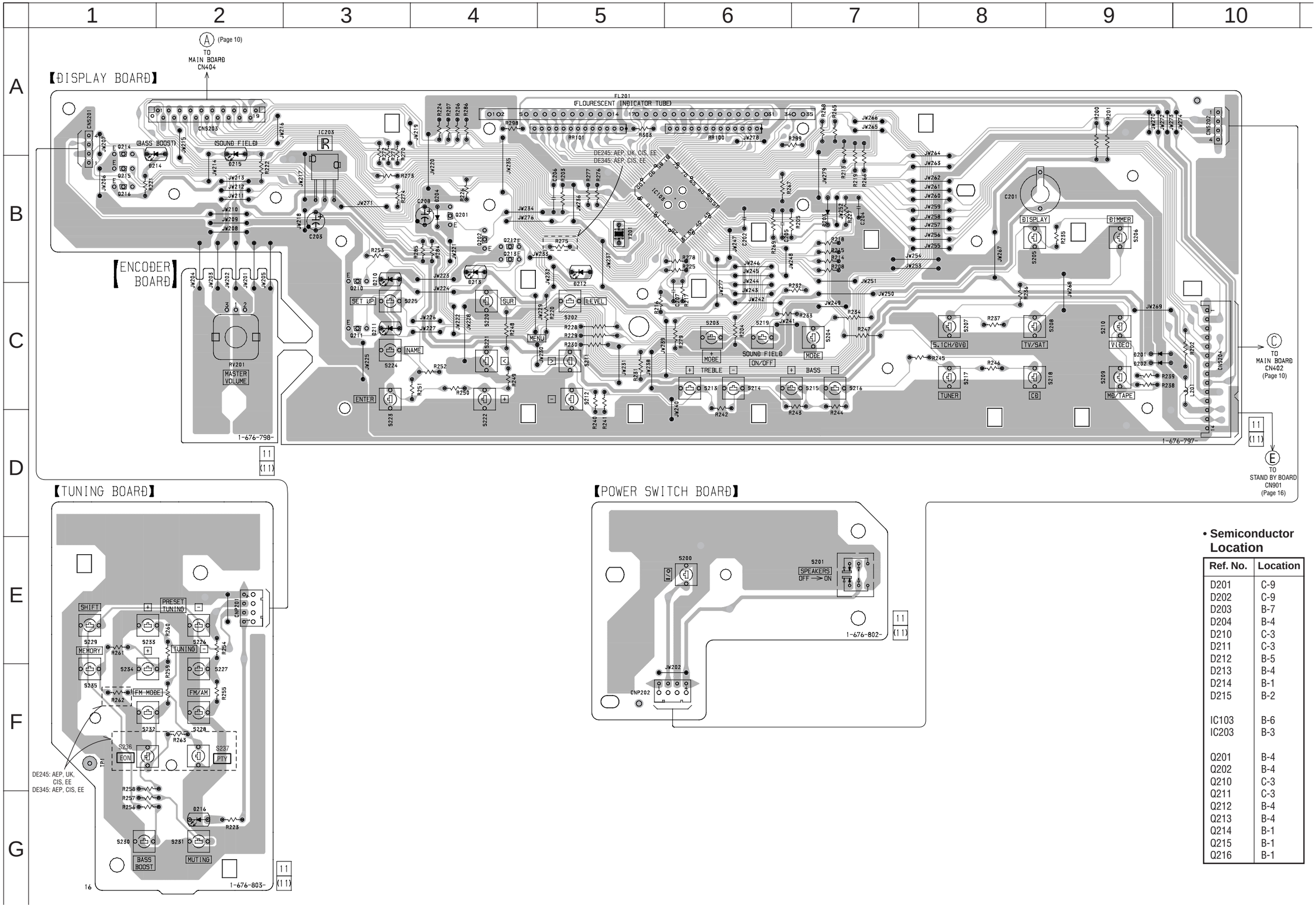
3-8. SCHEMATIC DIAGRAM MAIN SECTION (3/3)

• Refer to page 8 for IC Block Diagrams.
• Refer to page 9 for Waveforms.



3-9. PRINTED WIRING BOARD PANEL SECTION

• Refer to page 9 for Circuit Boards Location.

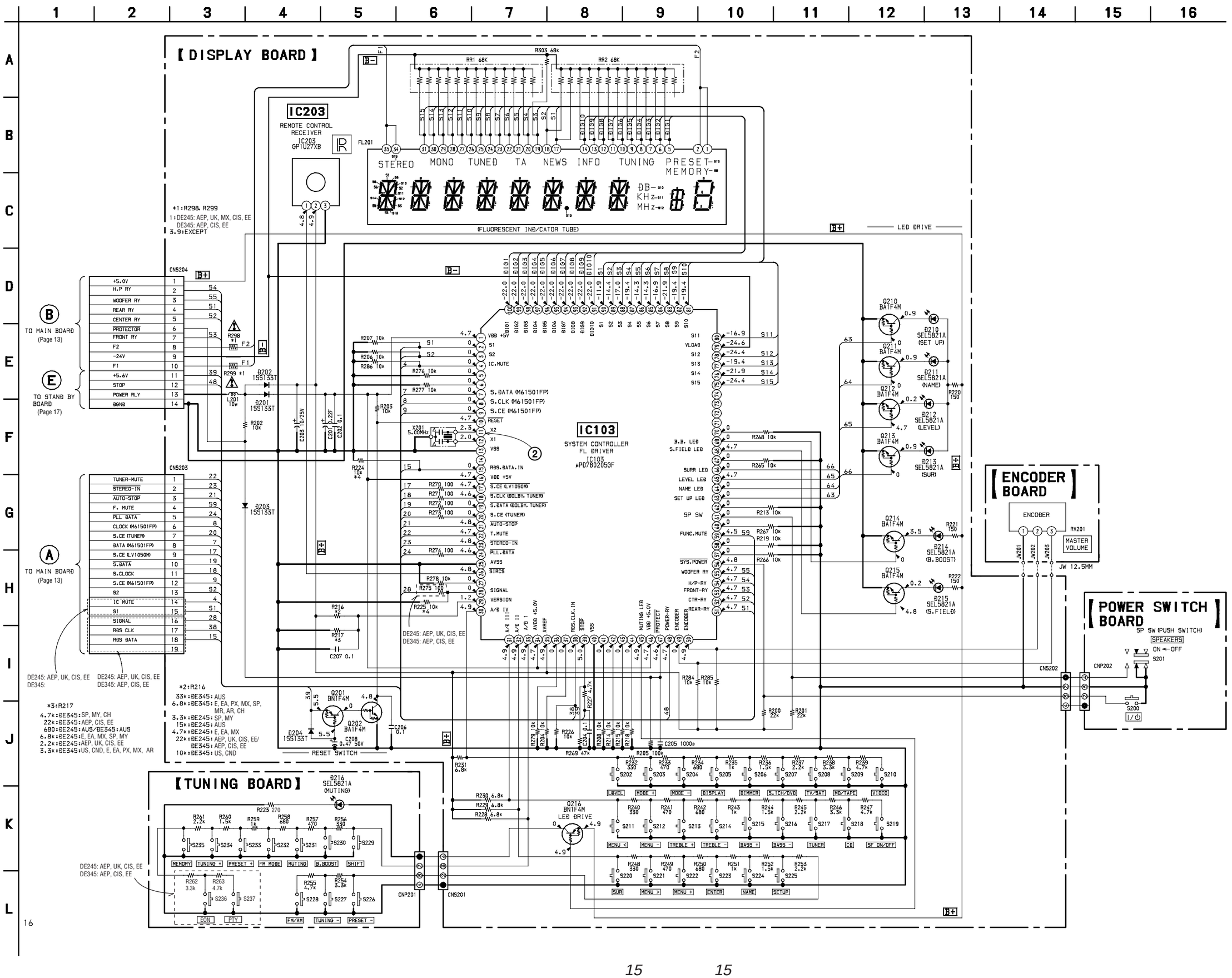


• Semiconductor Location

Ref. No.	Location
D201	C-9
D202	C-9
D203	B-7
D204	B-4
D210	C-3
D211	C-3
D212	B-5
D213	B-4
D214	B-1
D215	B-2
IC103	B-6
IC203	B-3
Q201	B-4
Q202	B-4
Q210	C-3
Q211	C-3
Q212	B-4
Q213	B-4
Q214	B-1
Q215	B-1
Q216	B-1

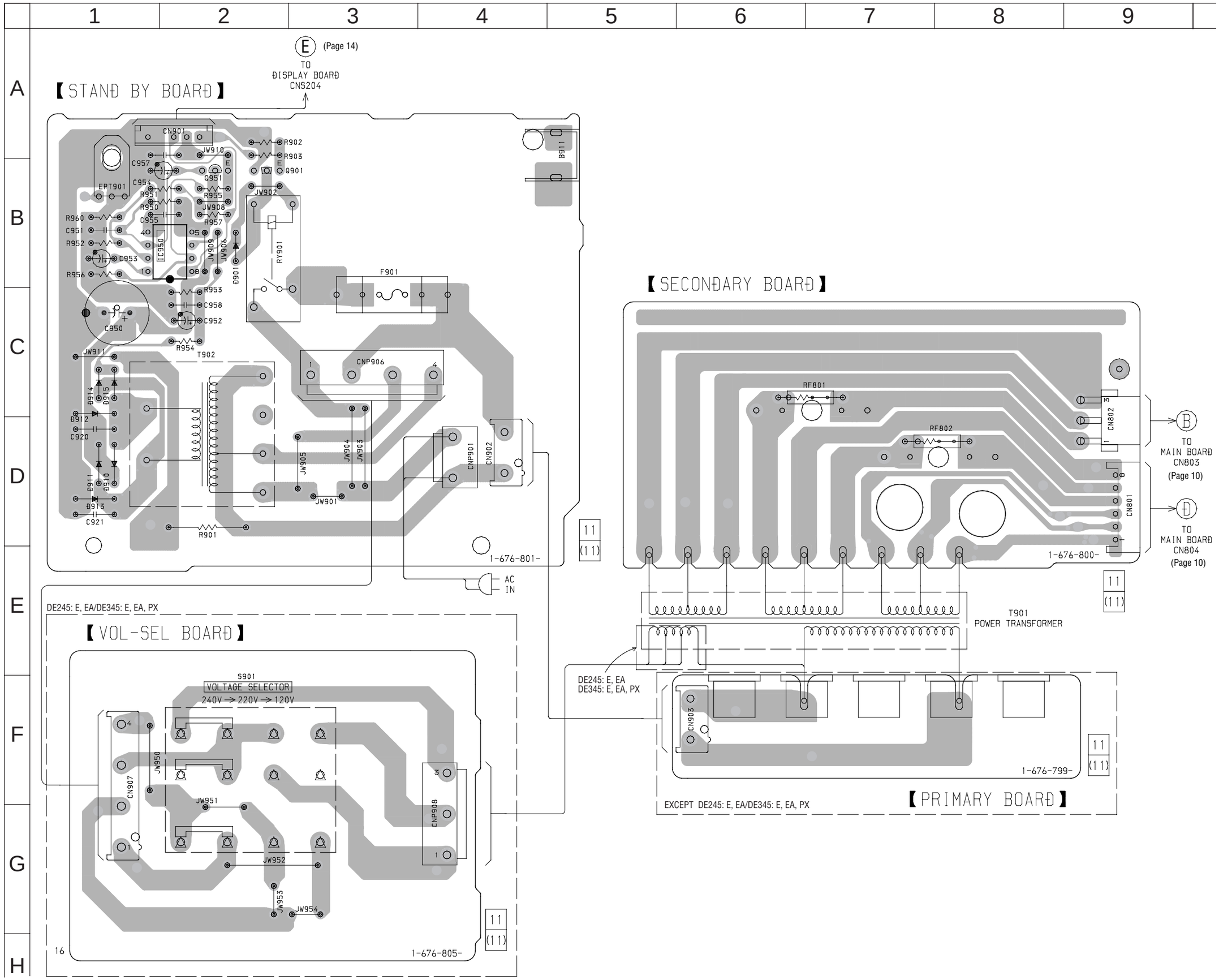
3-10. SCHEMATIC DIAGRAM PANEL SECTION

• Refer to page 8 for IC Pin Function.



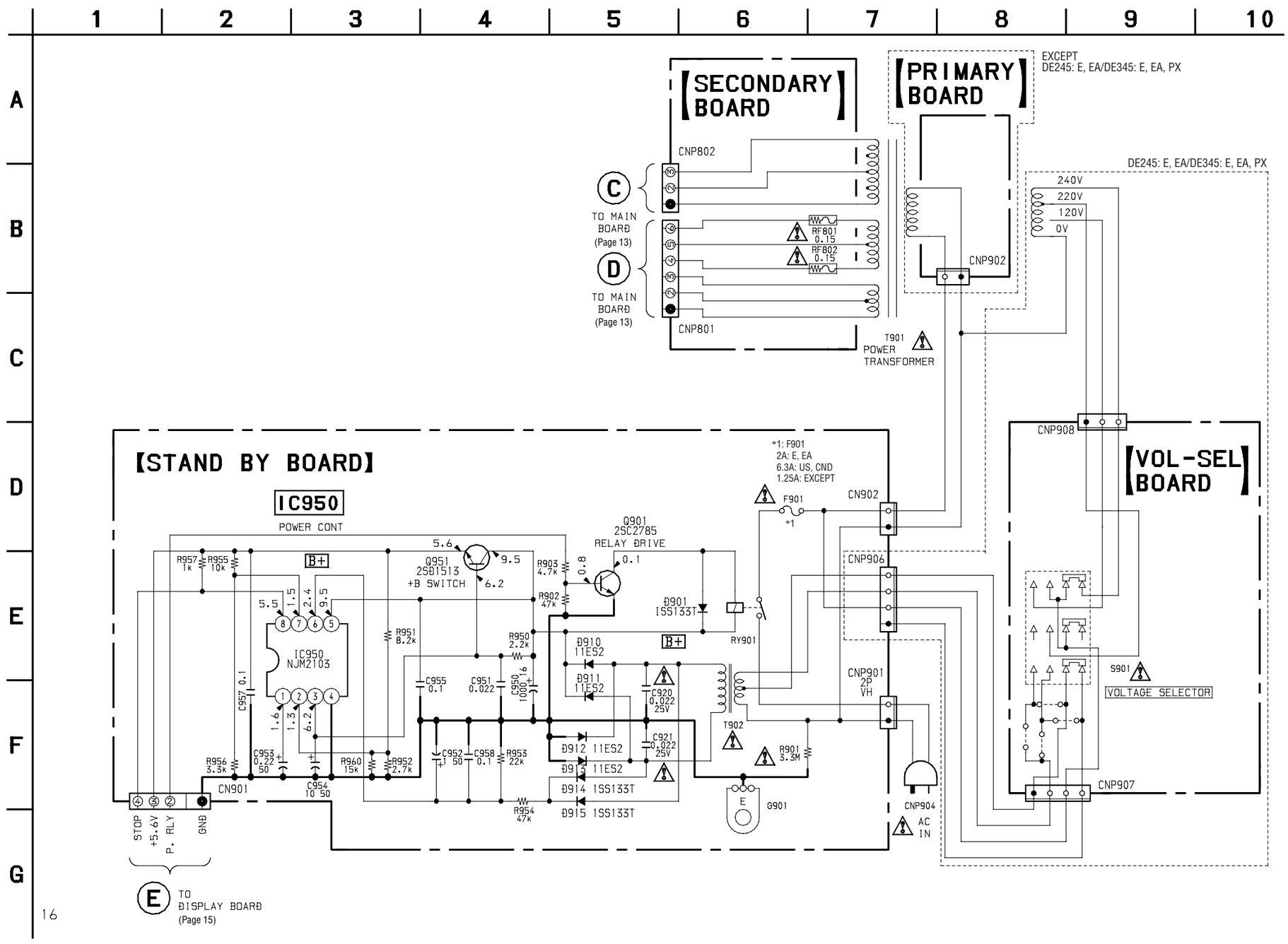
3-11. PRINTED WIRING BOARD POWER SECTION

• Refer to page 9 for Circuit Boards Location.



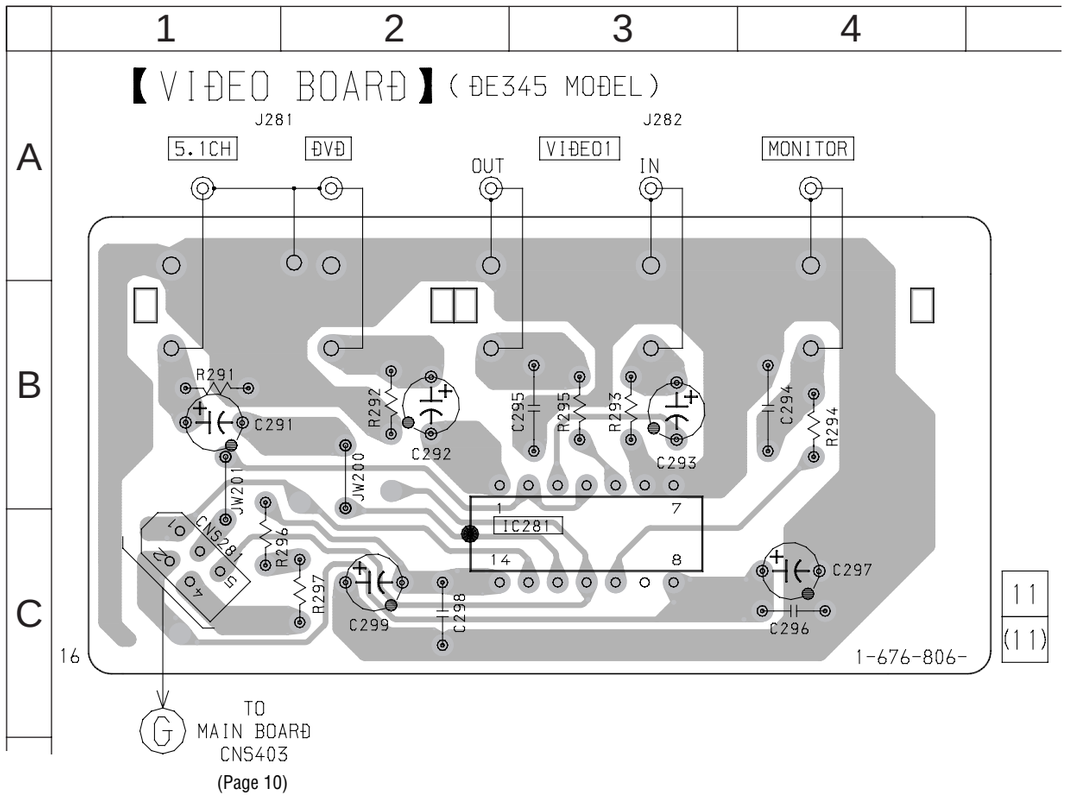
3-12. SCHEMATIC DIAGRAM POWER SECTION

• Refer to page 8 for IC Block Diagrams.



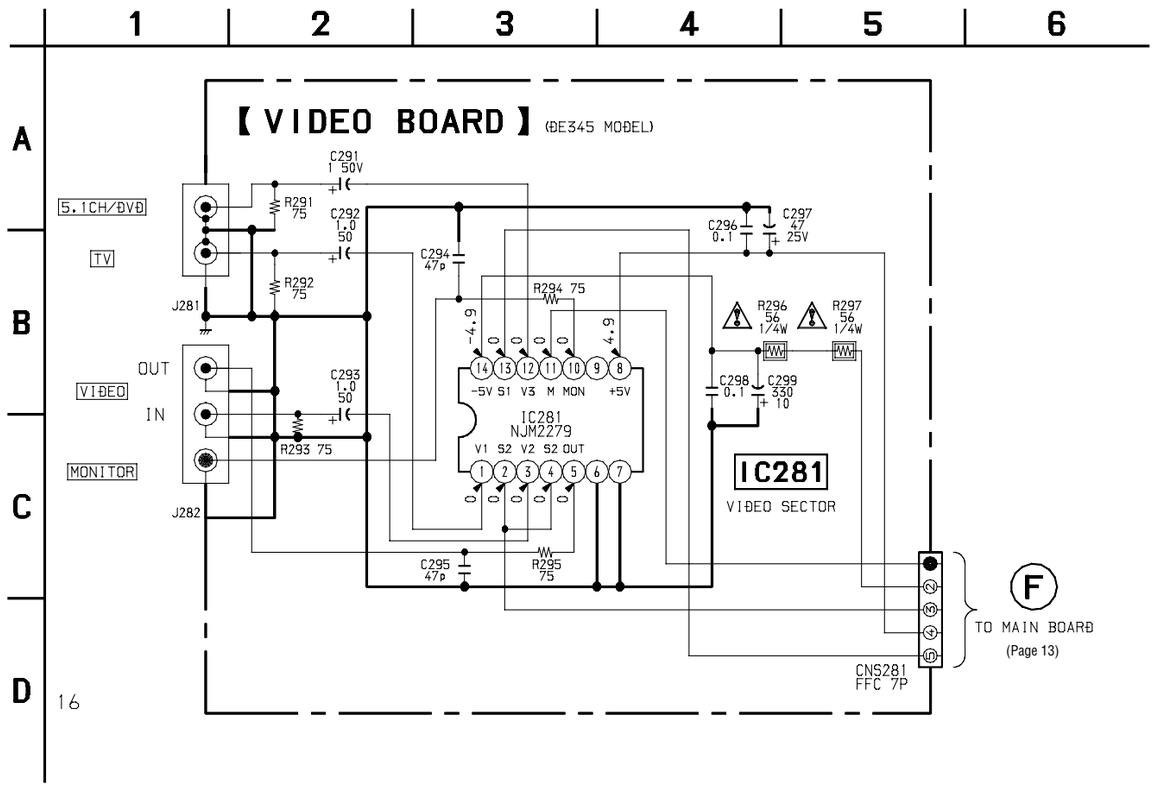
3-13. PRINTED WIRING BOARD VIDEO SECTION

• Refer to page 9 for Circuit Boards Location.



3-14. SCHEMATIC DIAGRAM VIDEO SECTION

• Refer to page 8 for IC Block Diagrams.



SECTION 4
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

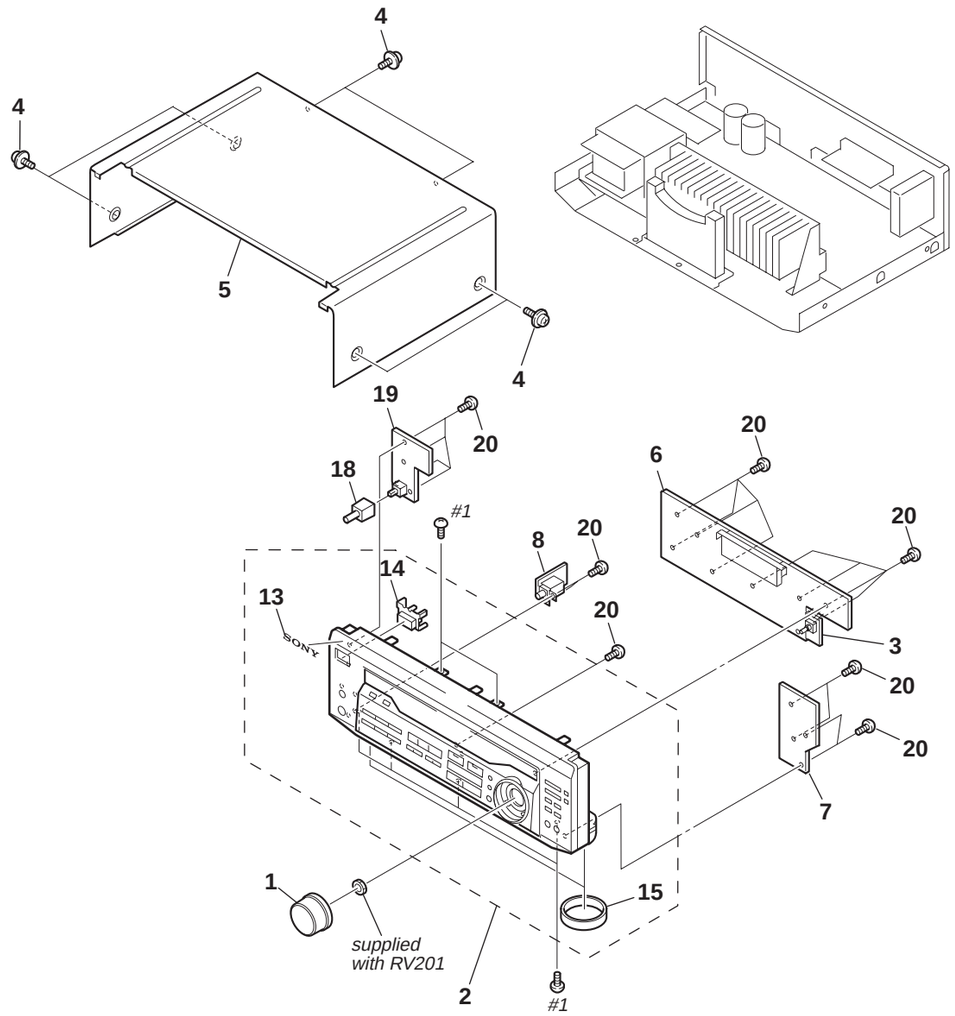
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts of Color ↑ Cabinet's Color
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.
  SP : Singapore model.
  MY : Malaysia model.
  AR : Argentine model.
  CH : Chinese model.
  MX : Mexican model.
  CIS : Russian model.
  EA : Saudi Arabian model.
  EE : East European model.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

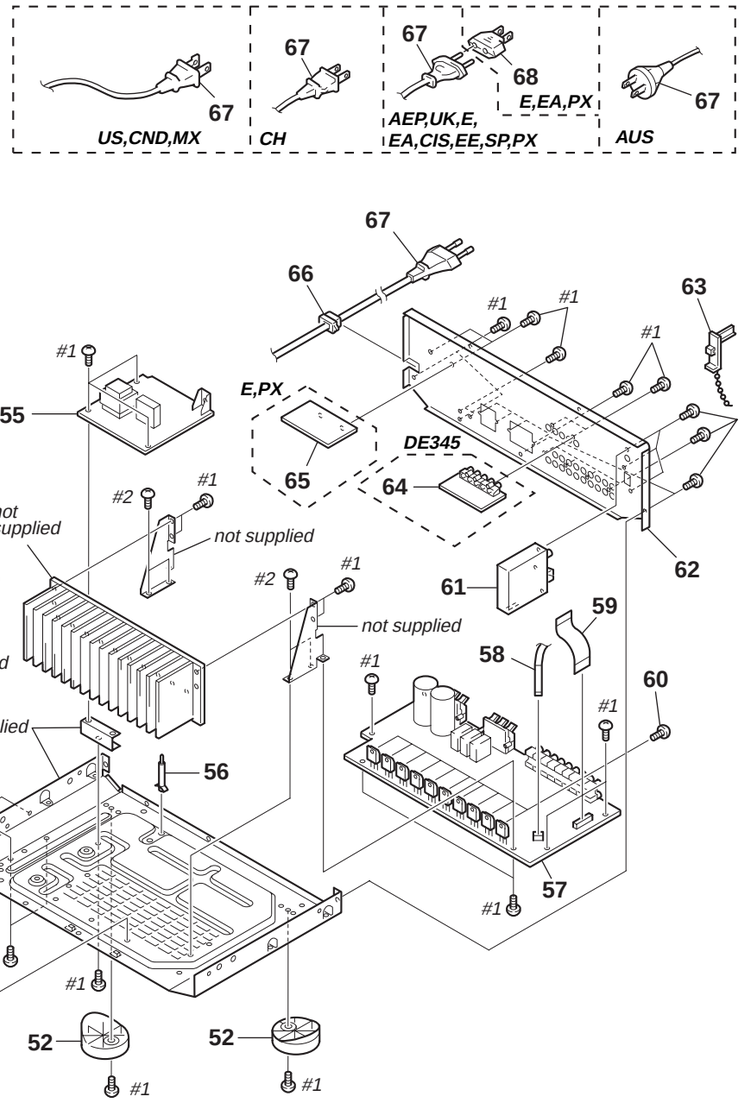
以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks
1	4-226-453-01	KNOB(VOL-E3) (DE245:AUS,SP,MY/ DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)	
1	4-226-453-31	KNOB(VOL-E3) (BLACK) (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
1	4-226-453-61	KNOB(VOL-E3) (DE245:E,EA,MX)	
1	4-226-453-71	KNOB(VOL-E3) (SILVER) (DE245:AEP,UK,CIS,EE)	
2	X-4952-589-1	FRONT PANEL ASSY (DE345:US,CND)	
2	X-4952-630-1	FRONT PANEL ASSY (BLACK) (DE245:AEP,UK,CIS,EE)	
2	X-4952-915-1	FRONT PANEL ASSY (SILVER) (DE245:AEP,UK,CIS,EE)	
2	X-4952-631-1	FRONT PANEL ASSY (DE345:E,EA,PX,AUS,MX,SP,MY,AR)	
2	X-4952-632-1	FRONT PANEL ASSY (DE345:CH)	
2	X-4952-633-1	FRONT PANEL ASSY (DE345:AEP,CIS,EE)	
2	X-4952-634-1	FRONT PANEL ASSY (DE245:AUS,SP,MY)	
2	X-4952-932-1	FRONT PANEL ASSY (DE245:E,EA,MX)	
3	1-676-798-11	ENCODER BOARD	
4	4-210-291-01	SCREW (CASE 3 TP2)	
5	4-218-845-01	UPPER CASE (DE245:AUS,E,EA,SP,MY/ DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)	
5	4-998-206-41	UPPER CASE (BLACK)	
5	4-998-206-61	UPPER CASE (SILVER)	
6	A-4428-267-A	DISPLAY BOARD, COMPLETE (DE345:US)	
6	A-4428-383-A	DISPLAY BOARD, COMPLETE (DE345:CND)	
6	A-4428-386-A	DISPLAY BOARD, COMPLETE (DE345:AUS)	
6	A-4428-390-A	DISPLAY BOARD, COMPLETE (DE345:SP,MY,CH)	
6	A-4428-393-A	DISPLAY BOARD, COMPLETE (DE345:E,EA,PX)	
6	A-4428-397-A	DISPLAY BOARD, COMPLETE (DE345:CND)	
6	A-4428-400-A	DISPLAY BOARD, COMPLETE (DE245:AUS)	
6	A-4428-404-A	DISPLAY BOARD, COMPLETE (DE245:SP,MY)	
6	A-4428-406-A	DISPLAY BOARD, COMPLETE (DE245:E,EA)	
6	A-4428-409-A	DISPLAY BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)	
6	A-4428-413-A	DISPLAY BOARD, COMPLETE (DE345:AEP,CIS,EE)	
6	A-4473-331-A	DISPLAY BOARD, COMPLETE (DE345:MX)	
6	A-4473-333-A	DISPLAY BOARD, COMPLETE (DE345:AR)	
6	A-4473-336-A	DISPLAY BOARD, COMPLETE (DE245:MX)	
7	1-676-803-11	TUNING BOARD	
8	1-676-804-11	HEADPHONE BOARD	
13	4-996-698-81	EMBLEM, SONY	
14	4-996-683-61	BUTTON (POWER)	
15	4-977-593-01	RING(DIA. 50), ORNAMENTAL	
18	4-226-445-01	BUTTON (S) (DE245:AUS,SP,MY/ DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)	
18	4-226-445-31	BUTTON (S) (DE245:AEP,UK,CIS,EE/DE345:AP,CIS,EE)	
18	4-226-445-61	BUTTON (S) (DE245:E,EA,MX)	
19	1-676-802-11	POWER SWITCH BOARD	
20	4-951-620-01	SCREW (2.6X8), +BVTP	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks
51	4-226-458-01	SUB-MOLD (E3)	
52	X-4951-458-1	FOOT ASSY (DE245:AUS,E,EA,SP,MY/ DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)	
52	X-4952-804-1	FOOT ASSY (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
52	X-4952-941-1	FOOT ASSY (DE245:MX)	
54	1-676-800-11	SECONDARY BOARD	
55	A-4428-270-A	STAND BY BOARD, COMPLETE (DE345:US,CND,MX)	
55	A-4428-279-A	STAND BY BOARD, COMPLETE (DE245:MX)	
55	A-4428-388-A	STAND BY BOARD, COMPLETE (DE345:AUS)	
55	A-4428-391-A	STAND BY BOARD, COMPLETE (DE345:SP,MY,AR)	
55	A-4428-392-A	STAND BY BOARD, COMPLETE (DE345:CH)	
55	A-4428-395-A	STAND BY BOARD, COMPLETE (DE345:E,EA,PX,MY)	
55	A-4428-402-A	STAND BY BOARD, COMPLETE (DE245:AUS)	
55	A-4428-405-A	STAND BY BOARD, COMPLETE (DE245:SP,MY)	
55	A-4428-407-A	STAND BY BOARD, COMPLETE (DE245:E,EA)	
55	A-4428-411-A	STAND BY BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)	
55	A-4428-416-A	STAND BY BOARD, COMPLETE (DE345:AEP,CIS,EE)	
56	4-924-098-01	HOLDER, PC BOARD	
57	A-4428-268-A	MAIN BOARD, COMPLETE (DE345:US)	
57	A-4428-387-A	MAIN BOARD, COMPLETE (DE345:AUS,SP,MY,CH)	
57	A-4428-394-A	MAIN BOARD, COMPLETE (DE345:CND,E,EA,PX)	
57	A-4428-398-A	MAIN BOARD, COMPLETE (DE245:E,EA)	
57	A-4428-401-A	MAIN BOARD, COMPLETE (DE245:AUS,SP,MY)	
57	A-4428-410-A	MAIN BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)	
57	A-4428-414-A	MAIN BOARD, COMPLETE (DE345:AEP,CIS,EE)	
57	A-4473-330-A	MAIN BOARD, COMPLETE (DE345:MX)	
57	A-4473-332-A	MAIN BOARD, COMPLETE (DE345:AR)	
57	A-4473-335-A	MAIN BOARD, COMPLETE (DE245:MX)	
58	1-773-001-11	WIRE(FLAT TYPE) (15 CORE)	
59	1-769-850-11	WIRE(FLAT TYPE) (5 CORE)(DE345)	
60	3-905-609-01	SCREW (TRANSISTOR)	

Ref. No.	Part No.	Description	Remarks
61	1-693-407-41	TUNER	
62	4-226-462-01	BACK PANEL (E3) (DE345:US)	
62	4-226-462-11	BACK PANEL (E3) (DE345:CND)	
62	4-226-462-21	BACK PANEL (E3) (DE345:AUS)	
62	4-226-462-31	BACK PANEL (E3) (DE345:SP,MY)	
62	4-226-462-41	BACK PANEL (E3) (DE345:CH)	
62	4-226-462-51	BACK PANEL (E3) (DE345:E,EA,PX)	
62	4-226-462-61	BACK PANEL (E3) (DE345:AEP)	
62	4-226-462-71	BACK PANEL (E3) (DE345:CIS,EE)	
62	4-226-468-21	BACK PANEL (E2) (DE245:AUS)	
62	4-226-468-31	BACK PANEL (E2) (DE245:SP,MY)	
62	4-226-468-41	BACK PANEL (E2) (DE245:E,EA)	
62	4-226-468-51	BACK PANEL (E2) (DE245:AEP,UK)	
62	4-226-468-61	BACK PANEL (E2) (DE245:MX,CIS,EE)	
62	4-226-462-81	BACK PANEL (E3) (DE345:MX)	
62	4-226-462-91	BACK PANEL (E3) (DE345:AR)	
63	4-956-370-12	BAND, PLUG FIXED (DE245:AUS/DE345:AUS)	
64	1-676-806-11	VIDEO BOARD (DE345)	
65	1-676-805-11	VOL-SEL BOARD (DE245:E,EA/DE345:E,EA,PX)	
66	3-703-244-00	BUSHING (FBS001), CORD	
⚠67	1-696-847-11	CORD, POWER (AUS)	
⚠67	1-777-071-21	CORD, POWER (AEP,UK,E,EA,CIS,EE,SP,MY,PX)	
⚠67	1-783-205-11	CORD, POWER (CH)	
⚠67	1-783-820-11	CORD, POWER (US,CND,MX)	
68	1-569-008-21	ADAPTOR, CONVERSION 2P (E,EA,PX)	
⚠T901	1-435-267-11	TRANSFORMER, POWER (DE245:AUS)	
⚠T901	1-435-268-11	TRANSFORMER, POWER (DE245:SP,MY)	
⚠T901	1-435-269-11	TRANSFORMER, POWER (DE245:E,EA)	
⚠T901	1-435-270-11	TRANSFORMER, POWER (DE245:AEP,UK,CIS,EE)	
⚠T901	1-435-564-11	TRANSFORMER, POWER (DE245:MX)	
⚠T901	1-435-271-11	TRANSFORMER, POWER (DE345:US)	
⚠T901	1-435-272-11	TRANSFORMER, POWER (DE345:CND)	
⚠T901	1-435-273-11	TRANSFORMER, POWER (DE345:AUS)	
⚠T901	1-435-274-11	TRANSFORMER, POWER (DE345:SP,MY,AR,CH)	
⚠T901	1-435-275-11	TRANSFORMER, POWER (DE345:E,EA,PX)	
⚠T901	1-435-276-11	TRANSFORMER, POWER (DE345:AEP,CIS,EE)	
⚠T901	1-435-565-11	TRANSFORMER, POWER (DE345:MX)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

SECTION 5
ELECTRICAL PARTS LIST

DISPLAY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- CAPACITORS:
  uF: µF
- COILS
  uH: µH
- Abbreviation
  CND : Canadian model.
  AUS : Australian model.
  SP : Singapore model.
  MY : Malaysia model.
  AR : Argentine model.
  CH : Chinese model.
  MX : Mexican model.
  CIS : Russian model.
  EA : Saudi Arabia model.
  EE : East European model.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

以阴影和⚠标志来识别的零部件在安全方面具有关键性。因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remarks
	A-4428-267-A	DISPLAY BOARD, COMPLETE (DE345:US)			
		**********			
	A-4428-383-A	DISPLAY BOARD, COMPLETE (DE345:CND)			
		**********			
	A-4428-386-A	DISPLAY BOARD, COMPLETE (DE345:AUS)			
		**********			
	A-4428-390-A	DISPLAY BOARD, COMPLETE (DE345:SP,MY,CH)			
		**********			
	A-4428-393-A	DISPLAY BOARD, COMPLETE (DE345:E,EA,PX)			
		**********			
	A-4428-397-A	DISPLAY BOARD, COMPLETE (DE345:CND)			
		**********			
	A-4428-400-A	DISPLAY BOARD, COMPLETE (DE245:AUS)			
		**********			
	A-4428-404-A	DISPLAY BOARD, COMPLETE (DE245:SP,MY)			
		**********			
	A-4428-406-A	DISPLAY BOARD, COMPLETE (DE245:E,EA)			
		**********			
	A-4428-409-A	DISPLAY BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)			
		**********			
	A-4428-413-A	DISPLAY BOARD, COMPLETE (DE345:AEP,CIS,EE)			
		**********			
	A-4473-331-A	DISPLAY BOARD, COMPLETE (DE345:MX)			
		**********			
	A-4473-333-A	DISPLAY BOARD, COMPLETE (DE345:AR)			
		**********			
	A-4473-336-A	DISPLAY BOARD, COMPLETE (DE245:MX)			
		**********			
*	4-921-941-01	CUSHION (FL)			
	4-943-107-11	HOLDER(FL TUBE)			
		< CAPACITOR >			
C201	1-104-905-11	CAPACITOR	0.22F		5.5V
C202	1-164-159-21	CERAMIC	0.1uF		50V
C203	1-126-096-11	ELECT	10uF	20%	35V
C204	1-164-159-21	CERAMIC	0.1uF		50V
C205	1-162-294-31	CERAMIC	0.001uF	10%	50V
C206	1-164-159-21	CERAMIC	0.1uF		50V
C207	1-164-159-21	CERAMIC	0.1uF		50V
C208	1-124-465-00	ELECT	0.47uF	20%	50V

Ref. No.	Part No.	Description	Remarks
		< CONNECTOR >	
CNS201	1-794-028-11	BOARD TO BOARD PIN 4P	
CNS202	1-794-028-11	BOARD TO BOARD PIN 4P	
CNS203	1-794-003-11	CONNECTOR 15P (DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)	
CNS203	1-794-005-11	CONNECTOR 19P (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
CNS203	1-794-002-11	CONNECTOR 13P (DE245:AUS,E,EA,MX,SP,MY)	
CNS204	1-564-593-11	PLUG, CONNECTOR 14P	
		< DIODE >	
D201	8-719-991-33	DIODE 1SS133T-77	
D202	8-719-991-33	DIODE 1SS133T-77	
D203	8-719-991-33	DIODE 1SS133T-77	
D204	8-719-991-33	DIODE 1SS133T-77	
D210	8-719-046-39	DIODE SEL5821A-TP15 (SET UP)	
D211	8-719-046-39	DIODE SEL5821A-TP15 (NAME)	
D212	8-719-046-39	DIODE SEL5821A-TP15 (LEVEL)	
D213	8-719-046-39	DIODE SEL5821A-TP15 (SUR)	
D214	8-719-313-50	DIODE SEL6810A-TH12 (B.BOOST)	
D215	8-719-313-50	DIODE SEL6810A-TH12 (S.FIELD)	
		< FILTER >	
FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC103	8-759-656-87	IC uPD780206GF-060-3BA	
IC203	8-759-332-18	IC GP1U27XB	
		< COIL >	
L201	1-410-509-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q201	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q202	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q210	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q211	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q212	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q213	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q214	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q215	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q216	8-729-900-63	TRANSISTOR BN1F4M-TP	

DISPLAY

Ref. No.	Part No.	Description			Remarks
		< RESISTOR >			
R200	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-249-433-11	CARBON	22K	5%	1/4W
R202	1-249-429-11	CARBON	10K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-441-11	CARBON	100K	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R213	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-249-429-11	CARBON	10K	5%	1/4W
R215	1-249-429-11	CARBON	10K	5%	1/4W
R216	1-249-435-11	CARBON	33K	5%	1/4W (DE345:AUS)
R216	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE345:E,EA,PX,MX,SP,MY,AR,CH)
R216	1-247-843-11	CARBON	3.3K	5%	1/4W (DE245:SP,MY)
R216	1-249-431-11	CARBON	15K	5%	1/4W (DE245:AUS)
R216	1-249-425-11	CARBON	4.7K	5%	1/4W F (DE245:E,EA,MX)
R216	1-247-863-91	CARBON	22K	5%	1/4W (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
R216	1-249-429-11	CARBON	10K	5%	1/4W (DE345:US,CND)
R217	1-249-425-11	CARBON	4.7K	5%	1/4W F (DE345:SP,MY,CH)
R217	1-247-863-91	CARBON	22K	5%	1/4W (DE345:AEP,CIS,EE)
R217	1-249-415-11	CARBON	680	5%	1/4W F (DE245:AUS/DE345:AUS)
R217	1-249-427-11	CARBON	6.8K	5%	1/4W F (DE245:E,EA,MX,SP,MY)
R217	1-249-421-11	CARBON	2.2K	5%	1/4W F (DE245:AEP,UK,CIS,EE)
R217	1-247-843-11	CARBON	3.3K	5%	1/4W (DE345:US,CND,E,EA,PX,MX,AR)
R218	1-249-429-11	CARBON	10K	5%	1/4W
R219	1-249-429-11	CARBON	10K	5%	1/4W
R220	1-249-407-11	CARBON	150	5%	1/4W F
R221	1-249-407-11	CARBON	150	5%	1/4W F
R222	1-249-407-11	CARBON	150	5%	1/4W F
R224	1-249-429-11	CARBON	10K	5%	1/4W
R225	1-249-429-11	CARBON	10K	5%	1/4W
R226	1-249-429-11	CARBON	10K	5%	1/4W
R227	1-249-425-11	CARBON	4.7K	5%	1/4W F
R228	1-249-427-11	CARBON	6.8K	5%	1/4W F
R229	1-249-427-11	CARBON	6.8K	5%	1/4W F
R230	1-249-427-11	CARBON	6.8K	5%	1/4W F
R231	1-249-427-11	CARBON	6.8K	5%	1/4W F
R232	1-249-411-11	CARBON	330	5%	1/4W
R233	1-249-413-11	CARBON	470	5%	1/4W F
R234	1-249-415-11	CARBON	680	5%	1/4W F
R235	1-249-417-11	CARBON	1K	5%	1/4W F
R236	1-249-419-11	CARBON	1.5K	5%	1/4W F
R237	1-249-421-11	CARBON	2.2K	5%	1/4W F
R238	1-247-843-11	CARBON	3.3K	5%	1/4W
R239	1-249-425-11	CARBON	4.7K	5%	1/4W F
R240	1-249-411-11	CARBON	330	5%	1/4W
R241	1-249-413-11	CARBON	470	5%	1/4W F
R242	1-249-415-11	CARBON	680	5%	1/4W F
R243	1-249-417-11	CARBON	1K	5%	1/4W F
R244	1-249-419-11	CARBON	1.5K	5%	1/4W F
R245	1-249-421-11	CARBON	2.2K	5%	1/4W F
R246	1-247-843-11	CARBON	3.3K	5%	1/4W
R247	1-249-425-11	CARBON	4.7K	5%	1/4W F
R248	1-249-411-11	CARBON	330	5%	1/4W
R249	1-249-413-11	CARBON	470	5%	1/4W F
R250	1-249-415-11	CARBON	680	5%	1/4W F
R251	1-249-417-11	CARBON	1K	5%	1/4W F
R252	1-249-419-11	CARBON	1.5K	5%	1/4W F
R253	1-249-421-11	CARBON	2.2K	5%	1/4W F
R265	1-249-429-11	CARBON	10K	5%	1/4W
R266	1-249-429-11	CARBON	10K	5%	1/4W
R267	1-249-429-11	CARBON	10K	5%	1/4W
R268	1-249-429-11	CARBON	10K	5%	1/4W
R269	1-249-437-11	CARBON	47K	5%	1/4W
R270	1-247-807-31	CARBON	100	5%	1/4W
R271	1-247-807-31	CARBON	100	5%	1/4W
R272	1-247-807-31	CARBON	100	5%	1/4W
R273	1-247-807-31	CARBON	100	5%	1/4W
R274	1-247-807-31	CARBON	100	5%	1/4W
R275	1-247-807-31	CARBON	100	5%	1/4W (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
R276	1-249-429-11	CARBON	10K	5%	1/4W
R277	1-249-429-11	CARBON	10K	5%	1/4W
R278	1-249-429-11	CARBON	10K	5%	1/4W
R279	1-249-429-11	CARBON	10K	5%	1/4W
R284	1-249-429-11	CARBON	10K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W
R286	1-249-429-11	CARBON	10K	5%	1/4W
⚠R298	1-249-388-61	CARBON	3.9	5%	1/4W (DE245:E,AUS,SP/DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)
⚠R298	1-249-381-11	CARBON	1	5%	1/4W F (DE245:AEP,UK,MX,CIS,EE/DE345:AEP,CIS,EE)
⚠R299	1-249-388-61	CARBON	3.9	5%	1/4W (DE245:E,AUS,SP/DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)
⚠R299	1-249-381-11	CARBON	1	5%	1/4W F (DE245:AEP,UK,MX,CIS,EE/DE345:AEP,CIS,EE)
R303	1-249-439-11	CARBON	68K	5%	1/4W
		< SWITCH >			
S202	1-771-410-21	SWITCH, TACTILE (LEVEL)			
S203	1-771-410-21	SWITCH, TACTILE (MODE +)			
S204	1-771-410-21	SWITCH, TACTILE (MODE -)			
S205	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S206	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S207	1-771-410-21	SWITCH, TACTILE (5.1CH/DVD)			
S208	1-771-410-21	SWITCH, TACTILE (TV/SAT)			
S209	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S210	1-771-410-21	SWITCH, TACTILE (VIDEO)			
S211	1-771-410-21	SWITCH, TACTILE (MENU <)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks
S212	1-771-410-21	SWITCH, TACTILE (MENU -)	
S213	1-771-410-21	SWITCH, TACTILE (TREBLE +)	
S214	1-771-410-21	SWITCH, TACTILE (TREBLE -)	
S215	1-771-410-21	SWITCH, TACTILE (BASS +)	
S216	1-771-410-21	SWITCH, TACTILE (BASS -)	
S217	1-771-410-21	SWITCH, TACTILE (TUNER)	
S218	1-771-410-21	SWITCH, TACTILE (CD)	
S219	1-771-410-21	SWITCH, TACTILE (SF ON/OFF)	
S220	1-771-410-21	SWITCH, TACTILE (SUR)	
S221	1-771-410-21	SWITCH, TACTILE (MENU >)	
S222	1-771-410-21	SWITCH, TACTILE (MENU +)	
S223	1-771-410-21	SWITCH, TACTILE (ENTER)	
S224	1-771-410-21	SWITCH, TACTILE (NAME)	
S225	1-771-410-21	SWITCH, TACTILE (SET UP)	
		< VIBRATOR >	
X201	1-579-233-11	VIBRATOR, CERAMIC 5MHz	
**********			
	1-676-798-11	ENCODER BOARD	
		**********	
		< VARIABLE RESISTOR >	
RV201	1-418-773-11	ENCODER	
**********			
	1-676-804-11	HEADPHONE BOARD	
		**********	
		< CONNECTOR >	
* CN792	1-564-518-11	PLUG, CONNECTOR 3P	
		< JACK >	
J791	1-750-733-11	JACK (LARGE TYPE)(PHONES)	
**********			
	A-4428-268-A	MAIN BOARD, COMPLETE (DE345:US)	
		**********	
	A-4428-387-A	MAIN BOARD, COMPLETE (DE345:AUS,SP,MY,CH)	
		**********	
	A-4428-394-A	MAIN BOARD, COMPLETE (DE345:CND,E,EA,PX)	
		**********	
	A-4428-398-A	MAIN BOARD, COMPLETE (DE245:E,EA)	
		**********	
	A-4428-401-A	MAIN BOARD, COMPLETE (DE245:AUS,SP,MY)	
		**********	
	A-4428-410-A	MAIN BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)	
		**********	
	A-4428-414-A	MAIN BOARD, COMPLETE (DE345:AEP,CIS,EE)	
		**********	
	A-4473-330-A	MAIN BOARD, COMPLETE (DE345:MX)	
		**********	
	A-4473-332-A	MAIN BOARD, COMPLETE (DE345:AR)	
		**********	
	A-4473-335-A	MAIN BOARD, COMPLETE (DE245:MX)	
		**********	

Ref. No.	Part No.	Description	Remarks
		< CAPACITOR >	
C3	1-162-288-31	CERAMIC 330PF 10% 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CEIS,EE)	
C4	1-126-961-11	ELECT 2.2uF 20.00% 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
C5	1-164-159-21	CERAMIC 0.1uF 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
C6	1-162-291-31	CERAMIC 560PF 10.00% 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
C7	1-128-808-21	CERAMIC 82PF 5% 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
C10	1-164-159-21	CERAMIC 0.1uF 50V (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
C301	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
C302	1-126-959-11	ELECT 0.47uF 20.00% 50V	
C303	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C304	1-126-959-11	ELECT 0.47uF 20.00% 50V	
C305	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C306	1-136-167-00	MYLAR 0.15uF 5.00% 50V	
C307	1-126-962-11	ELECT 3.3uF 20.00% 50V	
C308	1-136-167-00	MYLAR 0.15uF 5.00% 50V	
C309	1-136-167-00	MYLAR 0.15uF 5.00% 50V	
C310	1-126-962-11	ELECT 3.3uF 20.00% 50V	
C311	1-136-167-00	MYLAR 0.15uF 5.00% 50V	
C312	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C313	1-126-959-11	ELECT 0.47uF 20.00% 50V	
C314	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C315	1-126-959-11	ELECT 0.47uF 20.00% 50V	
C316	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
C317	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
C318	1-126-964-11	ELECT 10uF 20.00% 50V	
C319	1-126-964-11	ELECT 10uF 20.00% 50V	
C320	1-126-964-11	ELECT 10uF 20.00% 50V	
C321	1-126-964-11	ELECT 10uF 20.00% 50V	
C322	1-126-934-11	ELECT 220uF 20.00% 10V	
C323	1-126-934-11	ELECT 220uF 20.00% 10V	
C325	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C326	1-126-934-11	ELECT 220uF 20.00% 10V	
C327	1-164-159-21	CERAMIC 0.1uF 50V	
C328	1-126-964-11	ELECT 10uF 20.00% 50V	
C329	1-126-964-11	ELECT 10uF 20.00% 50V	
C330	1-126-964-11	ELECT 10uF 20.00% 50V	
C331	1-126-964-11	ELECT 10uF 20.00% 50V	
C332	1-124-252-00	ELECT 0.33uF 20% 50V	
C333	1-126-959-11	ELECT 0.47uF 20.00% 50V	
C334	1-126-934-11	ELECT 220uF 20.00% 10V	
C335	1-164-159-21	CERAMIC 0.1uF 50V	
C336	1-136-177-00	MYLAR 1uF 5.00% 50V	
C337	1-136-177-00	MYLAR 1uF 5.00% 50V	
C338	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
C339	1-136-165-00	MYLAR 0.1uF 5.00% 50V	
C340	1-126-956-91	ELECT 0.1uF 20.00% 50V	
C341	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C342	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C343	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C344	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C345	1-136-157-00	MYLAR 0.022uF 5.00% 50V	

MAIN

Ref. No.	Part No.	Description			Remarks
C346	1-128-809-11	CERAMIC	100PF	5%	50V
C347	1-128-809-11	CERAMIC	100PF	5%	50V
C348	1-126-961-11	ELECT	2.2uF	20.00%	50V
C349	1-130-494-11	MYLAR	0.082uF	5%	50V
C350	1-137-367-11	MYLAR	0.0033uF	5.00%	50V
C351	1-130-494-11	MYLAR	0.082uF	5%	50V
C352	1-126-934-11	ELECT	220uF	20.00%	10V
C353	1-164-159-21	CERAMIC	0.1uF		50V
C354	1-135-518-11	CERAMIC	51PF	5%	50V
C355	1-128-809-11	CERAMIC	100PF	5%	50V
C356	1-128-805-21	CERAMIC	47PF	5%	50V
C357	1-162-203-31	CERAMIC	15PF	5.00%	50V
C358	1-128-809-11	CERAMIC	100PF	5%	50V
C359	1-136-357-11	MYLAR	680PF	5.00%	50V
C360	1-136-161-00	MYLAR	0.047uF	5.00%	50V
C361	1-136-157-00	MYLAR	0.022uF	5.00%	50V
C362	1-136-173-00	MYLAR	0.47uF	5.00%	50V
C363	1-126-967-11	ELECT	47uF	20.00%	50V
C364	1-126-961-11	ELECT	2.2uF	20.00%	50V
C365	1-126-961-11	ELECT	2.2uF	20.00%	50V
C366	1-126-961-11	ELECT	2.2uF	20.00%	50V
C367	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C368	1-164-159-21	CERAMIC	0.1uF		50V
C371	1-164-159-21	CERAMIC	0.1uF		50V
C372	1-164-159-21	CERAMIC	0.1uF		50V
C373	1-164-159-21	CERAMIC	0.1uF		50V
C374	1-164-159-21	CERAMIC	0.1uF		50V
C375	1-164-159-21	CERAMIC	0.1uF		50V
C376	1-164-159-21	CERAMIC	0.1uF		50V
C401	1-126-964-11	ELECT	10uF	20.00%	50V
C402	1-126-964-11	ELECT	10uF	20.00%	50V
C403	1-126-964-11	ELECT	10uF	20.00%	50V
C404	1-126-964-11	ELECT	10uF	20.00%	50V
C405	1-126-964-11	ELECT	10uF	20.00%	50V
C412	1-130-481-00	MYLAR	0.0068uF	5%	50V
C414	1-130-481-00	MYLAR	0.0068uF	5%	50V
C416	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C417	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C418	1-137-375-11	MYLAR	0.068uF	5.00%	50V
C419	1-126-794-11	ELECT	4.7uF	20.00%	50V
C420	1-126-964-11	ELECT	10uF	20.00%	50V
C421	1-126-964-11	ELECT	10uF	20.00%	50V
C422	1-126-964-11	ELECT	10uF	20.00%	50V
C433	1-128-809-11	CERAMIC	100PF	5%	50V
C434	1-128-813-11	CERAMIC	220PF	5%	50V
C435	1-128-813-11	CERAMIC	220PF	5%	50V
C441	1-164-159-21	CERAMIC	0.1uF		50V
C442	1-164-159-21	CERAMIC	0.1uF		50V
C443	1-164-159-21	CERAMIC	0.1uF		50V
C445	1-164-159-21	CERAMIC	0.1uF		50V
C446	1-164-159-21	CERAMIC	0.1uF		50V
C447	1-164-159-21	CERAMIC	0.1uF		50V
C451	1-126-964-11	ELECT	10uF	20.00%	50V
C452	1-126-964-11	ELECT	10uF	20.00%	50V
C453	1-126-964-11	ELECT	10uF	20.00%	50V

Ref. No.	Part No.	Description			Remarks
C454	1-126-964-11	ELECT	10uF	20.00%	50V
C455	1-126-964-11	ELECT	10uF	20.00%	50V
C461	1-126-794-11	ELECT	4.7uF	20.00%	50V
C462	1-130-481-00	MYLAR	0.0068uF	5%	50V
C463	1-137-375-11	MYLAR	0.068uF	5.00%	50V
C464	1-130-481-00	MYLAR	0.0068uF	5%	50V
C465	1-126-964-11	ELECT	10uF	20.00%	50V
C466	1-126-794-11	ELECT	4.7uF	20.00%	50V
C467	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C468	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C470	1-126-964-11	ELECT	10uF	20.00%	50V
C472	1-126-794-11	ELECT	4.7uF	20.00%	50V
C480	1-126-965-11	ELECT	22uF	20.00%	50V
C481	1-126-965-11	ELECT	22uF	20.00%	50V
C482	1-126-965-11	ELECT	22uF	20.00%	50V
C483	1-126-965-11	ELECT	22uF	20.00%	50V
C501	1-126-794-11	ELECT	4.7uF	20.00%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-102-989-00	CERAMIC	68PF	5.00%	500V
C504	1-102-989-00	CERAMIC	68PF	5.00%	500V
C505	1-104-665-11	ELECT	100uF	20.00%	10V
C506	1-102-230-91	CERAMIC	4PF	10.00%	50V
C510	1-104-664-11	ELECT	47uF	20.00%	25V
C511	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C520	1-128-813-11	CERAMIC	220PF	5%	50V
C524	1-126-964-11	ELECT	10uF	20.00%	50V
C526	1-127-876-21	CERAMIC	0.01uF	10%	50V
C601	1-126-794-11	ELECT	4.7uF	20.00%	50V
C603	1-104-665-11	ELECT	100uF	20.00%	10V
C604	1-102-936-00	CERAMIC	3.0PF	+-0.25PF	50V
C605	1-102-233-00	CERAMIC	33PF	10.00%	500V
C606	1-128-815-21	CERAMIC	330PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C610	1-104-664-11	ELECT	47uF	20.00%	25V
C611	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C620	1-128-813-11	CERAMIC	220PF	5%	50V
C624	1-126-964-11	ELECT	10uF	20.00%	50V
C626	1-127-876-21	CERAMIC	0.01uF	10%	50V
C651	1-126-794-11	ELECT	4.7uF	20.00%	50V
C653	1-104-665-11	ELECT	100uF	20.00%	10V
C655	1-102-233-00	CERAMIC	33PF	10.00%	500V
C657	1-128-809-11	CERAMIC	100PF	5%	50V
C660	1-104-664-11	ELECT	47uF	20.00%	25V
C661	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C670	1-128-813-11	CERAMIC	220PF	5%	50V
C701	1-126-794-11	ELECT	4.7uF	20.00%	50V
C703	1-104-665-11	ELECT	100uF	20.00%	10V
C704	1-102-936-00	CERAMIC	3.0PF	+-0.25PF	50V
			(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)		
C705	1-102-233-00	CERAMIC	33PF	10.00%	500V
C706	1-128-815-21	CERAMIC	330PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V
C710	1-104-664-11	ELECT	47uF	20.00%	25V
C711	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C714	1-127-876-21	CERAMIC	0.01uF	10%	50V
C720	1-128-813-11	CERAMIC	220PF	5%	50V

Ref. No.	Part No.	Description				Remarks
C721	1-126-934-11	ELECT	220uF	20.00%	10V	
C722	1-126-964-11	ELECT	10uF	20.00%	50V	
C724	1-126-964-11	ELECT	10uF	20.00%	50V	
C726	1-127-876-21	CERAMIC	0.01uF	10%	50V	
C734	1-126-964-11	ELECT	10uF	20.00%	50V	
C736	1-127-876-21	CERAMIC	0.01uF	10%	50V	
C740	1-128-582-11	ELECT	10uF	20.00%	100V	
C741	1-128-582-11	ELECT	10uF	20.00%	100V	
C742	1-126-925-11	ELECT	470uF	20.00%	10V	
C743	1-126-925-11	ELECT	470uF	20.00%	10V	
C751	1-126-794-11	ELECT	4.7uF	20.00%	50V	
C753	1-104-665-11	ELECT	100uF	20.00%	10V	
C755	1-102-233-00	CERAMIC	33PF	10.00%	500V	
C757	1-128-809-11	CERAMIC	100PF	5%	50V	
C760	1-104-664-11	ELECT	47uF	20.00%	25V	
C761	1-137-372-11	MYLAR	0.022uF	5.00%	50V	
C764	1-128-815-21	CERAMIC	330PF	10%	50V	
C770	1-128-813-11	CERAMIC	220PF	5%	50V	
C801	1-126-947-11	ELECT	47uF	20.00%	35V	
C802	1-126-947-11	ELECT	47uF	20.00%	35V	
C803	1-128-591-11	ELECT	6800uF	20.00%	56V	(DE245:EXCEPT E,EA)
C803	1-125-897-11	ELECT	10000uF	20.00%	71V	(DE345:US,CND,E,EA)
C803	1-107-766-11	ELECT	8200uF	20.00%	71V	(DE345:AUS,SP,MY,MX,AR)
C803	1-117-203-11	ELECT	10000uF	20.00%	63V	(DE245:E,EA)
C804	1-128-591-11	ELECT	6800uF	20.00%	56V	(DE245:EXCEPT E,EA)
C804	1-125-897-11	ELECT	10000uF	20.00%	71V	(DE345:US,CND,E,EA)
C804	1-107-766-11	ELECT	8200uF	20.00%	71V	(DE345:AUS,SP,MY,MX,AR)
C804	1-117-203-11	ELECT	10000uF	20.00%	63V	(DE245:E,EA)
C805	1-130-781-00	MYLAR	0.22uF	5.00%	100V	
C806	1-130-781-00	MYLAR	0.22uF	5.00%	100V	
C807	1-104-664-11	ELECT	47uF	20.00%	25V	
C808	1-104-664-11	ELECT	47uF	20.00%	25V	
C810	1-126-960-11	ELECT	1uF	20.00%	50V	
C811	1-126-942-61	ELECT	1000uF	20.00%	25V	
C812	1-126-941-11	ELECT	470uF	20.00%	25V	
C813	1-101-001-00	CERAMIC	0.001uF	50V		
C814	1-101-001-00	CERAMIC	0.001uF	50V		
C815	1-126-967-11	ELECT	47uF	20.00%	50V	
C816	1-126-951-11	ELECT	470uF	20.00%	35V	
C817	1-104-664-11	ELECT	47uF	20.00%	25V	
C818	1-126-960-11	ELECT	1uF	20.00%	50V	
C822	1-126-965-11	ELECT	22uF	20.00%	50V	
C826	1-104-664-11	ELECT	47uF	20.00%	25V	
C827	1-126-960-11	ELECT	1uF	20.00%	50V	
C828	1-126-960-11	ELECT	1uF	20.00%	50V	
C829	1-104-664-11	ELECT	47uF	20.00%	25V	
CC02	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC03	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC04	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC05	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC06	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC07	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC12	1-164-096-11	CERAMIC	0.01uF		50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC14	1-164-096-11	CERAMIC	0.01uF		50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC16	1-164-096-11	CERAMIC	0.01uF		50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC18	1-164-096-11	CERAMIC	0.01uF		50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC20	1-164-096-11	CERAMIC	0.01uF		50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC52	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC53	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC54	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC55	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC56	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CC57	1-128-809-11	CERAMIC	100PF	5%	50V	(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
		< CONNECTOR >				
CN402	1-691-772-11	PLUG (MICRO CONNECTOR) 10P				
CN403	1-569-315-11	SOCKET, CONNECTOR 5P				(DE345:AEP,AUS,MX,SP,MY,AR,CIS,EE,CH)
CN404	1-794-003-11	CONNECTOR 15P				(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)
CN404	1-794-005-11	CONNECTOR 19P				(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
CN404	1-794-002-11	CONNECTOR 13P (DE245:AUS,E,EA,MX,SP,MY)				
* CN791	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
* CN801	1-564-521-11	PLUG, CONNECTOR 6P				
* CN802	1-564-214-11	PIN, CONNECTOR (B3PS-VH) 3P				
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P				
CNS403	1-569-315-11	SOCKET, CONNECTOR 5P (DE345)				
		< DIODE >				
D301	8-719-070-77	DIODE SVC201SPA-M1-AC				
D470	8-719-991-33	DIODE 1SS133T-77				
D505	8-719-991-33	DIODE 1SS133T-77				
D506	8-719-991-33	DIODE 1SS133T-77				
D508	8-719-991-33	DIODE 1SS133T-77				
D510	8-719-991-33	DIODE 1SS133T-77				
D605	8-719-991-33	DIODE 1SS133T-77				
D606	8-719-991-33	DIODE 1SS133T-77				
D607	8-719-991-33	DIODE 1SS133T-77				
D608	8-719-991-33	DIODE 1SS133T-77				
D610	8-719-991-33	DIODE 1SS133T-77				
D627	8-719-991-33	DIODE 1SS133T-77				
D706	8-719-991-33	DIODE 1SS133T-77				
D710	8-719-991-33	DIODE 1SS133T-77				
D721	8-719-991-33	DIODE 1SS133T-77				
D722	8-719-991-33	DIODE 1SS133T-77				
D725	8-719-991-33	DIODE 1SS133T-77				
D726	8-719-991-33	DIODE 1SS133T-77				
D727	8-719-991-33	DIODE 1SS133T-77				
D728	8-719-991-33	DIODE 1SS133T-77				

MAIN

Ref. No.	Part No.	Description	Remarks
D731	8-719-991-33	DIODE 1SS133T-77	
D732	8-719-991-33	DIODE 1SS133T-77	
D734	8-719-991-33	DIODE 1SS133T-77	
D735	8-719-991-33	DIODE 1SS133T-77	
D736	8-719-991-33	DIODE 1SS133T-77	
D757	8-719-991-33	DIODE 1SS133T-77	
D791	8-719-991-33	DIODE 1SS133T-77	
D801	8-719-934-13	DIODE HZS24-1LTD	
D802	8-719-072-05	DIODE RBV-602LF-A	
D804	8-719-109-85	DIODE MTZJ-T-77-5.1B	
D820	8-719-200-82	DIODE 11ES2-NTA1B	
D821	8-719-200-82	DIODE 11ES2-NTA1B	
D822	8-719-200-82	DIODE 11ES2-NTA1B	
D823	8-719-200-82	DIODE 11ES2-NTA1B	
D824	8-719-200-82	DIODE 11ES2-NTA1B	
D825	8-719-200-82	DIODE 11ES2-NTA1B	
		< EARTH >	
* G401	1-537-738-21	TERMINAL, EARTH	
* G441	1-537-738-21	TERMINAL, EARTH	
* G442	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC1	8-759-541-48	IC BU1924 (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
IC201	8-759-655-38	IC M61501FP	
IC202	8-759-655-37	IC LV1050M	
IC401	8-759-636-74	IC M5218AP-22	
IC501	8-749-011-16	IC STK350-230	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-376-91	IC uPC78M12AHF	
IC802	8-759-604-95	IC M5F79M07L	
IC803	8-759-039-69	IC uPC7805AHF	
IC804	8-759-039-69	IC uPC7805AHF	
IC805	8-759-701-59	IC M5F78M09L	
IC807	8-759-605-00	IC M5F78M07L	
		< JACK >	
J401	1-774-411-11	JACK, PIN 6P (MD/TAPE)	
J402	1-770-015-11	JACK, PIN 6P (VIDEO)	
J403	1-774-785-11	JACK, PIN 1P (SUB WOOFER)	
J501	1-779-599-11	JACK, PIN 6P (5.1CH/DVD)	
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH (DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)	
L301	1-410-509-11	INDUCTOR 10uH	
L302	1-410-509-11	INDUCTOR 10uH	
L521	1-420-872-00	COIL, AIR-CORE	
L601	1-420-872-00	COIL, AIR-CORE	
L651	1-420-872-00	COIL, AIR-CORE	
L701	1-420-872-00	COIL, AIR-CORE	
L751	1-420-872-00	COIL, AIR-CORE	

Ref. No.	Part No.	Description	Remarks
		< TRANSISTOR >	
Q361	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q362	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q363	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q364	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q365	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q366	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q470	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q501	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q503	8-749-010-25	IC MN2488-OPY-M	
Q504	8-749-010-26	IC MP1620-OPY-M	
Q505	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q506	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q507	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q509	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q550	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q601	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q603	8-749-010-25	IC MN2488-OPY-M	
Q604	8-749-010-26	IC MP1620-OPY-M	
Q605	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q606	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q610	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q651	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q653	8-749-010-25	IC MN2488-OPY-M	
Q654	8-749-010-26	IC MP1620-OPY-M	
Q655	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q656	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q657	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q658	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q659	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q703	8-749-010-25	IC MN2488-OPY-M	
Q704	8-749-010-26	IC MP1620-OPY-M	
Q705	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q706	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q707	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q708	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q709	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q715	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q722	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q725	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q730	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q751	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q753	8-749-010-25	IC MN2488-OPY-M	
Q754	8-749-010-26	IC MP1620-OPY-M	
Q755	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q756	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q757	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q758	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q759	8-729-900-63	TRANSISTOR BN1F4M-TP	

Ref. No.	Part No.	Description				Remarks
Q791	8-729-119-78	TRANSISTOR 2SC2785TP-HFE				
Q801	8-729-140-97	TRANSISTOR 2SB734-T-34				
		< RESISTOR >				
R5	1-249-421-11	CARBON	2.2K	5%	1/4W	F
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)				
R6	1-247-807-31	CARBON	100	5%	1/4W	
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)				
R7	1-247-807-31	CARBON	100	5%	1/4W	
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)				
R301	1-249-439-11	CARBON	68K	5%	1/4W	
R302	1-249-436-11	CARBON	39K	5%	1/4W	
R306	1-249-441-11	CARBON	100K	5%	1/4W	
R307	1-249-441-11	CARBON	100K	5%	1/4W	
R308	1-249-436-11	CARBON	39K	5%	1/4W	
R309	1-249-441-11	CARBON	100K	5%	1/4W	
R310	1-249-441-11	CARBON	100K	5%	1/4W	
R330	1-249-441-11	CARBON	100K	5%	1/4W	
R331	1-249-441-11	CARBON	100K	5%	1/4W	
R360	1-249-441-11	CARBON	100K	5%	1/4W	
R361	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R362	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R363	1-249-441-11	CARBON	100K	5%	1/4W	
R364	1-249-441-11	CARBON	100K	5%	1/4W	
R365	1-249-441-11	CARBON	100K	5%	1/4W	
R366	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R367	1-249-441-11	CARBON	100K	5%	1/4W	
R368	1-249-441-11	CARBON	100K	5%	1/4W	
R369	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R370	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R371	1-249-441-11	CARBON	100K	5%	1/4W	
R372	1-249-441-11	CARBON	100K	5%	1/4W	
R373	1-249-417-11	CARBON	1K	5%	1/4W	F
R374	1-249-417-11	CARBON	1K	5%	1/4W	F
R375	1-249-417-11	CARBON	1K	5%	1/4W	F
R376	1-249-417-11	CARBON	1K	5%	1/4W	F
R377	1-249-417-11	CARBON	1K	5%	1/4W	F
R378	1-249-417-11	CARBON	1K	5%	1/4W	F
R379	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R380	1-249-441-11	CARBON	100K	5%	1/4W	
R402	1-249-417-11	CARBON	1K	5%	1/4W	F
R403	1-249-417-11	CARBON	1K	5%	1/4W	F
R404	1-249-417-11	CARBON	1K	5%	1/4W	F
R405	1-249-417-11	CARBON	1K	5%	1/4W	F
R406	1-249-417-11	CARBON	1K	5%	1/4W	F
R407	1-249-417-11	CARBON	1K	5%	1/4W	F
R408	1-249-429-11	CARBON	10K	5%	1/4W	
R409	1-249-417-11	CARBON	1K	5%	1/4W	F
R410	1-249-417-11	CARBON	1K	5%	1/4W	F
R435	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R442	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R443	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R447	1-249-436-11	CARBON	39K	5%	1/4W	
R448	1-249-436-11	CARBON	39K	5%	1/4W	
R449	1-247-863-91	CARBON	22K	5%	1/4W	
R452	1-249-417-11	CARBON	1K	5%	1/4W	F
R453	1-249-417-11	CARBON	1K	5%	1/4W	F

Ref. No.	Part No.	Description				Remarks
R454	1-249-417-11	CARBON	1K	5%	1/4W	F
R455	1-249-417-11	CARBON	1K	5%	1/4W	F
R456	1-249-417-11	CARBON	1K	5%	1/4W	F
R457	1-249-417-11	CARBON	1K	5%	1/4W	F
R458	1-249-429-11	CARBON	10K	5%	1/4W	
R459	1-249-417-11	CARBON	1K	5%	1/4W	F
R460	1-249-417-11	CARBON	1K	5%	1/4W	F
R461	1-249-417-11	CARBON	1K	5%	1/4W	F
R462	1-249-417-11	CARBON	1K	5%	1/4W	F
R463	1-249-437-11	CARBON	47K	5%	1/4W	
R464	1-249-437-11	CARBON	47K	5%	1/4W	
R465	1-249-437-11	CARBON	47K	5%	1/4W	
R466	1-249-437-11	CARBON	47K	5%	1/4W	
R467	1-249-437-11	CARBON	47K	5%	1/4W	
R468	1-249-437-11	CARBON	47K	5%	1/4W	
R469	1-249-417-11	CARBON	1K	5%	1/4W	F
R470	1-249-441-11	CARBON	100K	5%	1/4W	
R471	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R472	1-249-431-11	CARBON	15K	5%	1/4W	
⚠R473	1-249-401-11	CARBON	47	5%	1/4W	F
R475	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R476	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R501	1-249-417-11	CARBON	1K	5%	1/4W	F
R502	1-249-439-11	CARBON	68K	5%	1/4W	
R503	1-249-412-11	CARBON	390	5%	1/4W	F
		(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)				
R503	1-249-415-11	CARBON	680	5%	1/4W	F
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)				
R503	1-249-414-11	CARBON	560	5%	1/4W	F
		(DE245:AUS,E,EA,MX,SP,MY)				
R504	1-249-411-11	CARBON	330	5%	1/4W	
R505	1-249-439-11	CARBON	68K	5%	1/4W	
R507	1-247-863-91	CARBON	22K	5%	1/4W	
R510	1-247-877-11	CARBON	82K	5%	1/4W	F
R511	1-249-437-11	CARBON	47K	5%	1/4W	
R513	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R514	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R515	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R516	1-234-182-11	ENCAPSULATED COMPONENT				
⚠R517	1-249-393-11	CARBON	10	5%	1/4W	F
R520	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R521	1-247-850-91	CARBON	6.2	5%	1/4W	F
R522	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R528	1-249-389-11	CARBON	4.7	5%	1/4W	F
R529	1-247-863-91	CARBON	22K	5%	1/4W	
						(DE245)
R529	1-247-864-91	CARBON	24K	5%	1/4W	
						(DE345:CIS,EE)
R529	1-247-866-91	CARBON	30K	5%	1/4W	
					(EXCEPT DE345:CIS,EE)	
R530	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R531	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R535	1-249-431-11	CARBON	15K	5%	1/4W	
R537	1-249-401-11	CARBON	47	5%	1/4W	F
R539	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R540	1-247-881-00	CARBON	120K	5%	1/4W	
R541	1-249-431-11	CARBON	15K	5%	1/4W	
R573	1-249-437-11	CARBON	47K	5%	1/4W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性．因此只能以规定号码的零部件来更换．

MAIN

Ref. No.	Part No.	Description				Remarks
R601	1-249-417-11	CARBON	1K	5%	1/4W	F
R602	1-249-439-11	CARBON	68K	5%	1/4W	
R603	1-249-417-11	CARBON	1K	5%	1/4W	F
		(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)				
R603	1-249-421-11	CARBON	2.2K	5%	1/4W	F
		(DE245:AEP,UK,CIS,EE)				
R603	1-249-419-11	CARBON	1.5K	5%	1/4W	F
		(DE245:US,CND,AUS,E,EA,MX,SP,MY/DE345:AEP,CIS,EE)				
R604	1-249-439-11	CARBON	68K	5%	1/4W	
R610	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R611	1-249-440-11	CARBON	82K	5%	1/4W	
R613	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R614	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R615	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT				
R617	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R618	1-249-389-11	CARBON	4.7	5%	1/4W	F
R620	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R621	1-247-850-11	CARBON	6.2K	5%	1/4W	
R622	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R623	1-249-437-11	CARBON	47K	5%	1/4W	
R625	1-247-881-00	CARBON	120K	5%	1/4W	
R626	1-249-431-11	CARBON	15K	5%	1/4W	
R630	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R631	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R638	1-247-881-00	CARBON	120K	5%	1/4W	
⚠R648	1-249-401-11	CARBON	47	5%	1/4W	F
R651	1-249-417-11	CARBON	1K	5%	1/4W	F
R652	1-249-439-11	CARBON	68K	5%	1/4W	
R653	1-249-412-11	CARBON	390	5%	1/4W	F
		(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)				
R653	1-249-415-11	CARBON	680	5%	1/4W	F
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)				
R653	1-249-414-11	CARBON	560	5%	1/4W	F
		(DE245:AUS,E,EA,MX,SP,MY)				
R654	1-249-439-11	CARBON	68K	5%	1/4W	
R660	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R661	1-249-440-11	CARBON	82K	5%	1/4W	
R663	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R664	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R665	1-249-408-11	CARBON	180	5%	1/4W	F
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT				
⚠R667	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R668	1-249-389-11	CARBON	4.7	5%	1/4W	F
R670	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R671	1-247-850-11	CARBON	6.2K	5%	1/4W	
R672	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R674	1-247-863-91	CARBON	22K	5%	1/4W	
		(DE245)				
R674	1-247-864-91	CARBON	24K	5%	1/4W	
		(DE345:CIS,EE)				
R674	1-247-866-91	CARBON	30K	5%	1/4W	
		(EXCEPT DE345:CIS,EE)				
R675	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R676	1-249-431-11	CARBON	15K	5%	1/4W	

Ref. No.	Part No.	Description				Remarks
R677	1-247-863-91	CARBON	22K	5%	1/4W	
R678	1-247-863-91	CARBON	22K	5%	1/4W	
R683	1-249-437-11	CARBON	47K	5%	1/4W	
R684	1-249-431-11	CARBON	15K	5%	1/4W	
R701	1-249-417-11	CARBON	1K	5%	1/4W	F
R702	1-249-439-11	CARBON	68K	5%	1/4W	
R703	1-249-414-11	CARBON	560	5%	1/4W	F
		(DE345:AEP,CIS,EE)				
R703	1-249-417-11	CARBON	1K	5%	1/4W	F
		(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)				
R703	1-249-421-11	CARBON	2.2K	5%	1/4W	F
		(DE245:AEP,UK,CIS,EE)				
R703	1-249-419-11	CARBON	1.5K	5%	1/4W	F
		(DE245:AUS,E,EA,MX,SP,MY)				
R704	1-249-439-11	CARBON	68K	5%	1/4W	
R705	1-247-863-91	CARBON	22K	5%	1/4W	
R706	1-216-453-00	METAL OXIDE	270	5%	2W	
R707	1-215-883-11	METAL OXIDE	33	5%	2W	
		(DE345:CND,E,EA,PX)				
R707	1-215-885-00	METAL OXIDE	68	5%	2W	
		(DE345:AEP,CIS,EE)				
R707	1-215-880-00	METAL OXIDE	10	5%	2W	
		(DE345:US)				
R707	1-216-452-11	METAL OXIDE	180	5%	2W	
		(DE245:AEP,UK,AUS,E,EA,MX,CIS,EE,SP,MY/				
		DE345:AUS,MX,SP,MY,AR,CH)				
R710	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R711	1-249-440-11	CARBON	82K	5%	1/4W	
R713	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R714	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R715	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT				
⚠R717	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R718	1-249-389-11	CARBON	4.7	5%	1/4W	F
R719	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R721	1-247-850-11	CARBON	6.2K	5%	1/4W	
R722	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R723	1-249-437-11	CARBON	47K	5%	1/4W	
R724	1-247-881-00	CARBON	120K	5%	1/4W	
R727	1-247-863-91	CARBON	22K	5%	1/4W	
⚠R728	1-249-401-11	CARBON	47	5%	1/4W	F
R730	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R731	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R732	1-249-381-11	CARBON	1	5%	1/4W	F
⚠R733	1-249-381-11	CARBON	1	5%	1/4W	F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W	F
R736	1-249-417-11	CARBON	1K	5%	1/4W	F
R737	1-247-869-91	CARBON	39K	5%	1/4W	F
R738	1-247-881-00	CARBON	120K	5%	1/4W	
R739	1-249-431-11	CARBON	15K	5%	1/4W	
R740	1-247-863-91	CARBON	22K	5%	1/4W	
		(DE245)				
R740	1-247-864-91	CARBON	24K	5%	1/4W	
		(DE345:CIS,EE)				
R740	1-247-866-91	CARBON	30K	5%	1/4W	
		(EXCEPT DE345:CIS,EE)				
R741	1-216-455-11	METAL OXIDE	560	5%	2W	
		(DE345:AEP,CIS,EE)				
R741	1-215-868-00	METAL OXIDE	680	5%	1W	
		(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)				

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description				Remarks
R741	1-216-454-11	METAL OXIDE	390	5%	2W	
						(DE245:AEP,UK,CIS,EE)
R741	1-215-867-00	METAL OXIDE	470	5%	1W	
						(DE245:AUS,E,EA,MX,SP,MY)
R743	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R744	1-249-431-11	CARBON	15K	5%	1/4W	
R745	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R746	1-247-863-91	CARBON	22K	5%	1/4W	
R747	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R751	1-249-417-11	CARBON	1K	5%	1/4W	F
R752	1-249-439-11	CARBON	68K	5%	1/4W	
R753	1-249-412-11	CARBON	390	5%	1/4W	F
						(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)
R753	1-249-415-11	CARBON	680	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
R753	1-249-414-11	CARBON	560	5%	1/4W	F
						(DE245:AUS,E,EA,MX,SP,MY)
R754	1-249-439-11	CARBON	68K	5%	1/4W	
R760	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R761	1-249-440-11	CARBON	82K	5%	1/4W	
R763	1-249-414-11	CARBON	560	5%	1/4W	F
⚠R764	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R765	1-249-409-11	CARBON	220	5%	1/4W	F
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT				
⚠R767	1-249-393-11	CARBON	10	5%	1/4W	F
⚠R768	1-249-389-11	CARBON	4.7	5%	1/4W	F
R770	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R771	1-247-850-11	CARBON	6.2K	5%	1/4W	
R772	1-249-419-11	CARBON	1.5K	5%	1/4W	F
R775	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R776	1-249-431-11	CARBON	15K	5%	1/4W	
R777	1-247-864-91	CARBON	24K	5%	1/4W	
						(DE345:CIS,EE)
R777	1-247-866-91	CARBON	30K	5%	1/4W	
						(EXCEPT DE345:CIS,EE)
R778	1-249-431-11	CARBON	15K	5%	1/4W	
R779	1-249-437-11	CARBON	47K	5%	1/4W	
R791	1-216-455-11	METAL OXIDE	560	5%	2W	
						(DE345:AEP,CIS,EE)
R791	1-215-868-00	METAL OXIDE	680	5%	1W	
						(DE345:US,CND,E,EA,PX,AUS,MX,SP,MY,AR,CH)
R791	1-216-454-11	METAL OXIDE	390	5%	2W	
						(DE245:AEP,UK,CIS,EE)
R791	1-215-867-00	METAL OXIDE	470	5%	1W	
						(DE245:AUS,E,EA,MX,SP,MY)
R793	1-249-425-11	CARBON	4.7K	5%	1/4W	F
⚠R795	1-249-401-11	CARBON	47	5%	1/4W	F
⚠R803	1-249-386-11	CARBON	2.7	5%	1/6W	F
R804	1-249-426-11	CARBON	5.6K	5%	1/4W	
RR02	1-249-437-11	CARBON	47K	5%	1/4W	
RR04	1-249-437-11	CARBON	47K	5%	1/4W	
RR05	1-249-437-11	CARBON	47K	5%	1/4W	
RR07	1-249-437-11	CARBON	47K	5%	1/4W	

Ref. No.	Part No.	Description				Remarks
⚠RR11	1-249-393-11	CARBON	10	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
⚠RR12	1-249-393-11	CARBON	10	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
⚠RR13	1-249-393-11	CARBON	10	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
⚠RR14	1-249-393-11	CARBON	10	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
⚠RR15	1-249-393-11	CARBON	10	5%	1/4W	F
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
RR52	1-249-437-11	CARBON	47K	5%	1/4W	
RR54	1-249-437-11	CARBON	47K	5%	1/4W	
RR55	1-249-437-11	CARBON	47K	5%	1/4W	
RR57	1-249-437-11	CARBON	47K	5%	1/4W	
		< RELAY >				
RY470	1-755-267-11	RELAY				
RY510	1-755-170-11	RELAY (12V)				
RY610	1-755-170-11	RELAY (12V)				
RY710	1-755-170-11	RELAY (12V)				
RY791	1-515-614-11	RELAY				
		< TERMINAL >				
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P)				
TM602	1-537-925-31	TERMINAL BOARD				
		< VIBRATOR >				
X1	1-579-900-21	VIBRATOR, CRYSTAL 4.33MHz				
						(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)
**********						
	1-676-802-11	POWER SWITCH BOARD				
		**********				
		< CONNECTOR >				
CNP202	1-573-105-11	CONNECTOR, PC BOARD 4P				
		< SWITCH >				
S200	1-771-410-21	SWITCH, TACTILE (POWER)				
S201	1-771-854-11	SWITCH, PUSH (1 KEY)(SPEAKER)				
**********						
		PRIMARY BOARD				
		**********				
						(EXCEPT DE245:E,EA/DE345:E,EA,PX)
		< CONNECTOR >				
* CNP902	1-564-321-21	PIN, CONNECTOR 2P				
**********						
	1-676-800-11	SECONDARY BOARD				
		**********				
		< RF MODULATOR >				
⚠RF801	1-243-833-81	FUSIBLE	0.15	5%	1/2W	
⚠RF802	1-243-833-81	FUSIBLE	0.15	5%	1/2W	
**********						

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

STANDBY | TUNING

Ref. No.	Part No.	Description				Remarks
	A-4428-270-A	STANDBY BOARD, COMPLETE (DE345:US,CND,MX)				
		**********				
	A-4428-279-A	STANDBY BOARD, COMPLETE (DE245:MX)				
		**********				
	A-4428-388-A	STANDBY BOARD, COMPLETE (DE345:AUS)				
		**********				
	A-4428-391-A	STANDBY BOARD, COMPLETE (DE345:SP,MY,AR)				
		**********				
	A-4428-392-A	STANDBY BOARD, COMPLETE (DE345:CH)				
		**********				
	A-4428-395-A	STANDBY BOARD, COMPLETE (DE345:E,EA,PX)				
		**********				
	A-4428-402-A	STANDBY BOARD, COMPLETE (DE245:AUS)				
		**********				
	A-4428-405-A	STANDBY BOARD, COMPLETE (DE245:SP,MY)				
		**********				
	A-4428-407-A	STANDBY BOARD, COMPLETE (DE245:E,EA)				
		**********				
	A-4428-411-A	STANDBY BOARD, COMPLETE (DE245:AEP,UK,CIS,EE)				
		**********				
	A-4428-416-A	STANDBY BOARD, COMPLETE (DE345:AEP,CIS,EE)				
		**********				
	1-533-293-31	FUSE HOLDER				
		< CAPACITOR >				
⚠C920	1-161-494-00	CERAMIC	0.022uF	25V		
⚠C921	1-161-494-00	CERAMIC	0.022uF	25V		
C950	1-126-767-11	ELECT	1000uF	20.00%	16V	
C951	1-161-494-00	CERAMIC	0.022uF	25V		
C952	1-126-960-11	ELECT	1uF	20.00%	50V	
C953	1-124-464-11	ELECT	0.22uF	20%	50V	
C954	1-126-964-11	ELECT	10uF	20.00%	50V	
C955	1-164-159-21	CERAMIC	0.1uF		50V	
C957	1-164-159-21	CERAMIC	0.1uF		50V	
C958	1-164-159-21	CERAMIC	0.1uF		50V	
		< CONNECTOR >				
CN901	1-691-766-11	PLUG (MICRO CONNECTOR) 4P				
CNP901	1-564-321-00	PIN, CONNECTOR 2P				
CNP906	1-568-106-11	PIN, CONNECTOR 4P (DE245:E,EA/DE345:E,EA,PX)				
		< DIODE >				
D901	8-719-991-33	DIODE 1SS133T-77				
D910	8-719-200-82	DIODE 11ES2-NTA1B				
D911	8-719-200-82	DIODE 11ES2-NTA1B				
D912	8-719-200-82	DIODE 11ES2-NTA1B				
D913	8-719-200-82	DIODE 11ES2-NTA1B				
D914	8-719-991-33	DIODE 1SS133T-77				
D915	8-719-991-33	DIODE 1SS133T-77				
		< FUSE >				
⚠F901	1-532-285-00	FUSE (1.25A) (AEP,UK,AUS,CIS,EE,SP,MY,CH)				
⚠F901	1-532-388-51	FUSE (2A) (E,EA)				
⚠F901	1-532-748-11	FUSE (6.3A) (US,CND)				

Ref. No.	Part No.	Description				Remarks
		< EARTH >				
* G901	1-537-738-21	TERMINAL, EARTH				
		< IC >				
IC950	8-759-333-83	IC NJM2103D				
		< TRANSISTOR >				
Q901	8-729-119-78	TRANSISTOR 2SC2785TP-HFE				
Q951	8-729-045-21	TRANSISTOR 2SD1513TP-LK				
		< RESISTOR >				
⚠R901	1-202-725-00	SOLID	3.3M	10%	1/2W	
R902	1-249-437-11	CARBON	47K	5%	1/4W	
R903	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W	F
R951	1-249-428-11	CARBON	8.2K	5%	1/4W	F
R952	1-249-422-11	CARBON	2.7K	5%	1/4W	F
R953	1-247-863-91	CARBON	22K	5%	1/4W	
R954	1-249-437-11	CARBON	47K	5%	1/4W	
R955	1-249-429-11	CARBON	10K	5%	1/4W	
R956	1-247-843-11	CARBON	3.3K	5%	1/4W	
R957	1-249-417-11	CARBON	1K	5%	1/4W	F
R960	1-249-431-11	CARBON	15K	5%	1/4W	
		< RELAY >				
RY901	1-755-276-11	RELAY, POWER				
		< TRANSFORMER >				
⚠T902	1-435-281-11	TRANSFORMER, POWER (DE245:MX/DE345:US,CND,MX)				
⚠T902	1-435-282-11	TRANSFORMER, POWER (DE245:AEP,UK,AUS,CIS,EE,SP,MY/DE345:AEP,AUS,SP,MY,AR,CIS,EE,CH)				
⚠T902	1-435-283-11	TRANSFORMER, POWER (DE245:E,EA/DE345:E,EA,PX)				
**********						
	1-676-803-11	TUNING BOARD				
		**********				
		< CONNECTOR >				
CNP201	1-573-105-11	CONNECTOR, PC BOARD 4P				
		< DIODE >				
D216	8-719-046-39	DIODE SEL5821A-TP15 (MUTING)				
		< RESISTOR >				
R223	1-247-817-91	CARBON	270	5%	1/4W	F
R254	1-247-843-11	CARBON	3.3K	5%	1/4W	
R255	1-249-425-11	CARBON	4.7K	5%	1/4W	F
R256	1-249-411-11	CARBON	330	5%	1/4W	
R257	1-249-413-11	CARBON	470	5%	1/4W	F

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description			Remarks
R258	1-249-415-11	CARBON	680	5%	1/4W F
R259	1-249-417-11	CARBON	1K	5%	1/4W F
R260	1-249-419-11	CARBON	1.5K	5%	1/4W F
R261	1-249-421-11	CARBON	2.2K	5%	1/4W F
R262	1-247-843-11	CARBON	3.3K	5%	1/4W
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)			
R263	1-249-425-11	CARBON	4.7K	5%	1/4W F
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)			
		< SWITCH >			
S226	1-771-410-21	SWITCH, TACTILE (PRESET -)			
S227	1-771-410-21	SWITCH, TACTILE (TUNING -)			
S228	1-771-410-21	SWITCH, TACTILE (FM/AM)			
S229	1-771-410-21	SWITCH, TACTILE (SHIFT)			
S230	1-771-410-21	SWITCH, TACTILE (B.BOOST)			
S231	1-771-410-21	SWITCH, TACTILE (MUTING)			
S232	1-771-410-21	SWITCH, TACTILE (FM MODE)			
S233	1-771-410-21	SWITCH, TACTILE (PRESET +)			
S234	1-771-410-21	SWITCH, TACTILE (TUNING +)			
S235	1-771-410-21	SWITCH, TACTILE (MEMORY)			
S236	1-771-410-21	SWITCH, TACTILE (EON)			
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)			
S237	1-771-410-21	SWITCH, TACTILE (PTY)			
		(DE245:AEP,UK,CIS,EE/DE345:AEP,CIS,EE)			
**********					
	1-676-806-11	VIDEO BOARD (DE345)			
		**********			
		< CAPACITOR >			
C291	1-126-960-11	ELECT	1uF	20.00%	50V
C292	1-126-960-11	ELECT	1uF	20.00%	50V
C293	1-126-960-11	ELECT	1uF	20.00%	50V
C294	1-162-215-31	CERAMIC	47PF	5%	50V
C295	1-162-215-31	CERAMIC	47PF	5%	50V
C296	1-164-159-21	CERAMIC	0.1uF		50V
C297	1-104-664-11	ELECT	47uF	20.00%	25V
C298	1-164-159-21	CERAMIC	0.1uF		50V
C299	1-126-924-11	ELECT	330uF	20.00%	10V
		< CONNECTOR >			
CNS281	1-569-315-11	SOCKET, CONNECTOR 5P			
		< IC >			
IC281	8-759-333-84	IC NJM2279D			
		< JACK >			
J281	1-695-317-11	JACK, PIN 2P (5.1CH/DVD)			
J282	1-766-199-11	JACK, PIN 3P (VIDEO)			
		< RESISTOR >			
R291	1-247-804-11	CARBON	75	5%	1/4W
R292	1-247-804-11	CARBON	75	5%	1/4W
R293	1-247-804-11	CARBON	75	5%	1/4W
R294	1-247-804-11	CARBON	75	5%	1/4W
R295	1-247-804-11	CARBON	75	5%	1/4W

Ref. No.	Part No.	Description			Remarks
⚠R296	1-249-402-11	CARBON	56	5%	1/4W F
⚠R297	1-249-402-11	CARBON	56	5%	1/4W F
**********					
	1-676-805-11	VOL-SEL BOARD (DE245:E,EA/DE345:E,EA,PX)			
		**********			
	1-533-293-31	FUSE HOLDER			
		< CONNECTOR >			
* CNP908	1-564-687-11	PIN, CONNECTOR 3P			
		< SWITCH >			
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE(VOLTAGE)			
**********					
		MISCELLANEOUS			
		**********			
58	1-773-001-11	WIRE(FLAT TYPE) (15 CORE)			
59	1-769-850-11	WIRE(FLAT TYPE) (5 CORE)(DE345)			
61	1-693-407-41	TUNER			
⚠67	1-696-847-11	CORD, POWER (AUS)			
⚠67	1-777-071-21	CORD, POWER (AEP,UK,E,CIS,EE,SP,MY,PX)			
⚠67	1-783-205-11	CORD, POWER (CH)			
⚠67	1-783-820-11	CORD, POWER (US,CND,MX)			
68	1-569-008-21	ADAPTOR, CONVERSION 2P (E,EA,PX)			
⚠T901	1-435-267-11	TRANSFORMER, POWER (DE245:AUS)			
⚠T901	1-435-268-11	TRANSFORMER, POWER (DE245:SP,MY)			
⚠T901	1-435-269-11	TRANSFORMER, POWER (DE245:E,EA)			
⚠T901	1-435-270-11	TRANSFORMER, POWER			
		(DE245:AEP,UK,CIS,EE)			
⚠T901	1-435-564-11	TRANSFORMER, POWER (DE245:MX)			
⚠T901	1-435-271-11	TRANSFORMER, POWER (DE345:US)			
⚠T901	1-435-272-11	TRANSFORMER, POWER (DE345:CND)			
⚠T901	1-435-273-11	TRANSFORMER, POWER (DE345:AUS)			
⚠T901	1-435-274-11	TRANSFORMER, POWER (DE345:SP,MY,AR,CH)			
⚠T901	1-435-275-11	TRANSFORMER, POWER (DE345:E,EA,PX)			
⚠T901	1-435-276-11	TRANSFORMER, POWER (DE345:AEP,CIS,EE)			
⚠T901	1-435-565-11	TRANSFORMER, POWER (DE345:MX)			
**********					

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.	以阴影和 ⚠ 标志来识别的零部件，在安全方面具有关键性，因此只能以规定号码的零部件来更换。

Ref. No.	Part No.	Description	Remarks
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-418-833-11	REMOTE COMMANDER (DE245)	
	1-501-594-11	ANTENNA (FM)	
	1-501-721-11	ANTENNA (LOOP)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR) (DE245:E,EA,MX/DE345:US,CND,E,EA,PX,MX,AR)	
	4-227-866-11	MANUAL, INSTRUCTION (ENGLISH) (DE345:US,CND,E,EA,PX,AUS,SP,MY,CH)	
	4-227-866-21	MANUAL, INSTRUCTION (FRENCH,SPANISH) (DE345:CND,E,EA,PX,SP,MY)	
	4-227-866-31	MANUAL, INSTRUCTION (CHINESE) (DE345:E,EA,PX,SP,MY,CH)	
	4-227-866-41	MANUAL, INSTRUCTION (ENGLISH,POLISH,RUSSIAN)(DE345:CIS,EE)	
	4-227-866-51	MANUAL, INSTRUCTION (DANISH,FINNISH) (DE345:AEP)	
	4-227-866-61	MANUAL, INSTRUCTION (DUTCH,SWEDISH,GERMAN,ITALIAN,PORTUGUESE)(DE345:AEP)	
	4-227-866-71	MANUAL, INSTRUCTION (ENGLISH,FRENCH,SPANISH)(DE345:AEP)	
	4-227-866-81	MANUAL, INSTRUCTION (ENGLISH,TURKISH) (DE345:CIS,EE)	
	4-227-986-11	INSTRUCTION MANUAL (ENGLISH) (DE345:US)	
	4-227-986-21	INSTRUCTION MANUAL (ENGLISH,FRENCH,SPANISH,CHINESE) (DE245:AUS,E,EA,MX,SP,MY/ DE345:CND,E,EA,MX,PX,AUS,SP,MY,AR)	
	4-227-986-31	INSTRUCTION MANUAL (CHINESE) (DE345:CH)	
	4-227-986-41	INSTRUCTION MANUAL (ENGLISH,FRENCH,DUTCH,SWEDISH) (DE245:AEP,UK/DE345:AEP)	
	4-227-986-51	INSTRUCTION MANUAL (GERMAN,SPANISH,ITALIAN,PORTUGUESE) (DE245:AEP,UK/DE345:AEP)	
	4-227-986-61	INSTRUCTION MANUAL (ENGLISH,RUSSIAN,POLISH) (DE245:CIS,EE/DE345:CIS,EE)	
	4-227-986-71	INSTRUCTION MANUAL (ENGLISH,TURKISH) (DE245:CIS,EE/DE345:CIS,EE)	
	8-917-423-90	REMOTE COMMANDER RM-PP404 SET (DE345)	
	4-228-696-01	REMOTE COVER (DE245)	
	4-978-977-01	REMOTE COVER (DE345)	
**********			

Ref. No.	Part No.	Description	Remarks
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	

Sony Corporation
Home Audio Division Company

2000B1685-1
Printed in Japan © 2000.2
Published by Quality Assurance Dept.